

Converting Colors

XYZ(50.7691, 66.2247, 43.0919)

Have a look what the booklet for
XYZ(50.7691, 66.2247, 43.0919)
contains.

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Color

**XYZ(50.7404, 66.2120,
42.9068)**

Conversions

Conversions Part 1

Format	Color
Hex	ACE39F
RGB	172, 227, 159
RGB Percent	67%, 89%, 62%
CMY	0.3255, 0.1098, 0.3765
CMYK	0.24, 0.00, 0.30, 0.11
HSL	109°, 55%, 76%
HSV	109°, 30%, 89%
XYZ	50.7404, 66.2120, 42.9068
YIQ	202.8030, -10.9520, -32.8080

Conversions

Conversions Part 2

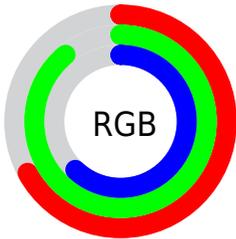
Format	Color
RYB	159, 227, 214
Decimal	11330463
CIELab	85.10, -30.19, 27.69
CIELCh	85, 40.962, 137.469
Yxy	66.2120, 0.3174, 0.4142
Android (android.graphics.Color)	4289520543 (0xFFACE39F)
YUV	202.8030, -21.5949, -27.0142
Hunter-Lab	81.3708, -31.0915, 25.6959

Details

The XYZ color **50.7404, 66.2120, 42.9068** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.9975, 44.6404, 78.4469**, and the grayscale version is **56.7787, 59.7356, 65.0521**.

A 20% lighter version of the original color is **79.8925, 92.8690, 77.3331**, and **24.6880, 34.0389, 19.1789** is the 20% darker color. If you saturate the color by 10%, you get **45.1938, 63.5617, 33.2918**, and if you desaturate by 10%, it is **57.2090, 69.2997, 54.4560**.

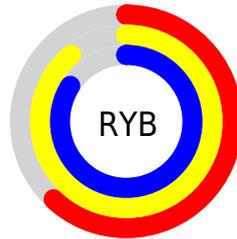
Distribution



Red (67%)

Green (89%)

Blue (62%)



Red (62%)

Yellow (89%)

Blue (84%)

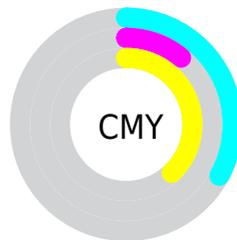


Cyan (24%)

Magenta (0%)

Yellow (30%)

Black (11%)



Cyan (33%)

Magenta (11%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7404, 66.2120, 42.9068 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 50.7404, 66.2120, 42.9068 by changing the saturation by 10% instead.

 50.7404, 66.2120,
42.9068

 50.7404, 66.2120,
42.9068

379.9586,
447.1347, 374.1383

 36.2223, 48.4445,
29.4811

 90.4562, 113.7906,
80.8550

 24.7768, 34.1790,
19.1964

 116.3846,
144.3704, 106.2147

 16.0387, 23.0312,
11.6340

146.8470,
179.9899, 136.3895

 9.6426, 14.6165,
6.3755

182.2090,
221.0333, 171.7978

 5.2230, 8.5507,
3.0023

222.8358,
267.8851, 212.8583

 2.4148, 4.4493,
1.0958

269.0927,

 0.8525, 1.9279,

320.9297, 259.9896

0.0000

321.3452,
380.5514, 313.6100

0.0000, 0.5651,
0.0000

0.0000, 0.0000,
0.0000

50.7404, 66.2120,
42.9068

50.7404, 66.2120,
42.9068

45.1938, 63.5617,
33.2918

57.2090, 69.2997,
54.4560

40.5216, 61.3207,
25.5012

64.6342, 72.8348,
68.0325

36.6795, 59.4706,
19.4209

73.0551, 76.8372,
83.7287

33.6172, 57.9883,
14.9220

82.5069, 81.3234,
101.6299

■ 31.2785, 56.8481,
11.8576

■ 86.7604, 83.4208,
106.1368

■ 29.5993, 56.0206,
10.0531

■ 28.4871, 55.4648,
9.2072

■ 28.4832, 55.4629,
9.2042

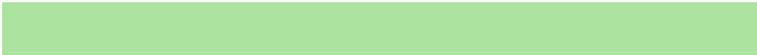
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.7543, 66.2120, 33.6698



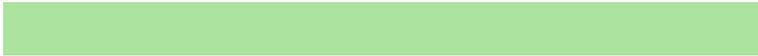
50.7404, 66.2120, 42.9068



47.1505, 66.2120, 61.6197

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.7404, 66.2120, 42.9068



59.1604, 66.2120, 133.9552



81.4226, 66.2120, 57.8880

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.7404, 66.2120, 42.9068



53.9975, 44.6404, 78.4469

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8934, 66.2120, 83.6918



50.7404, 66.2120, 42.9068



68.4114, 66.2120, 132.2495

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.7404, 66.2120, 42.9068



51.6828, 66.2120, 116.4046



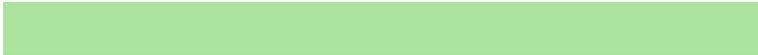
76.9362, 66.2120, 112.1946



75.7066, 66.2120, 40.7529

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.7404, 66.2120, 42.9068



46.9263, 66.2120, 78.9040



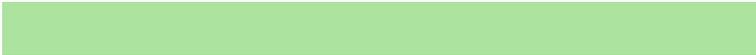
76.9362, 66.2120, 112.1946



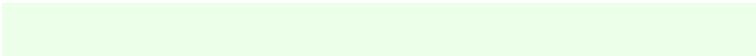
82.2182, 66.2120, 65.6868

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50.7421, 66.2148, 42.9083



85.0700, 95.2568, 90.2839



61.8343, 66.6271, 42.4032



17.8848, 20.2349, 18.7265



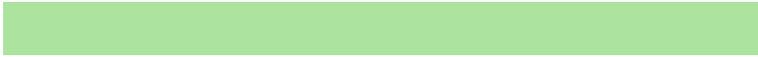
0.0000, 0.0000, 0.0000



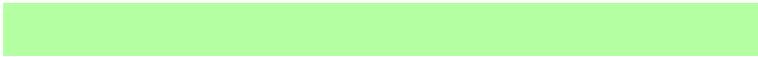
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.7421, 66.2148, 42.9083



61.3858, 83.9648, 47.7158



49.9464, 65.5829, 52.8881



14.4452, 16.2210, 15.2741



16.6838, 32.3823, 5.3711



1.3059, 2.4306, 0.4003

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



53.9975, 44.6404, 78.4469



66.2589, 51.5679, 101.0691



55.2927, 45.6143, 64.6682



14.7109, 14.4687, 18.1617



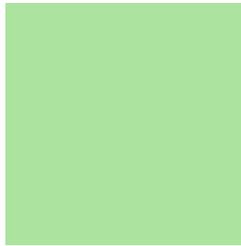
19.6541, 9.1979, 43.1227



1.5220, 0.7156, 3.1899

Previews

White Background



This preview shows how the XYZ color 50.7404, 66.2120, 42.9068 looks on a white background.

Color Contrast Check

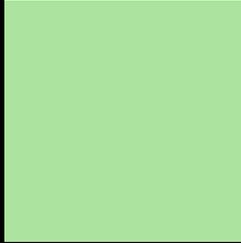
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 50.7404, 66.2120, 42.9068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

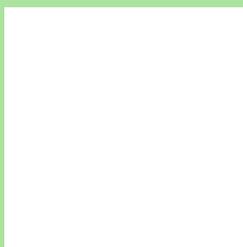
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.7404, 66.2120, 42.9068

Background



This preview shows how black text looks on a background with the XYZ color 50.7404, 66.2120, 42.9068.



This preview shows how white text looks on a background with the XYZ color 50.7404, 66.2120,

42.9068.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

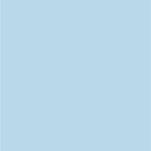
50.7404, 66.2120, 42.9068

Protanopia

61.2059, 65.8479, 39.1898

Deuteranopia

66.7682, 65.3487, 44.2165



Tritanopia

59.8158, 65.9382, 88.1720

Trichromacy



Original Color

50.7404, 66.2120, 42.9068



Protanomaly

56.7417, 65.4022, 40.6436



Deuteranomaly

59.5803, 64.9112, 43.5713



Tritanomaly

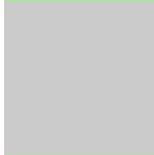
55.9413, 65.9212, 68.8071

Monochromacy



Original Color

50.7404, 66.2120, 42.9068



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

54.2514, 61.8813, 56.0986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7404, 66.2120, 42.9068 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(172, 227, 159)` looks like.

```
.text, #text, p{  
    color:rgb(172, 227, 159)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(172, 227, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 227, 159) }
```

Border

The CSS property to change the border of an element to XYZ 50.7404, 66.2120, 42.9068 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 227, 159) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(172, 227, 159) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(172, 227, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 227, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 227, 159);  
box-shadow:4px 4px 4px 4px rgb(172, 227,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7404, 66.2120, 42.9068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 227, 159) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(172,  
227, 159) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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