

Converting Colors

XYZ(46.2224, 59.1613, 40.5336)

Have a look what the booklet for
XYZ(46.2224, 59.1613, 40.5336)
contains.

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Color

**XYZ(46.2375, 59.2167,
40.4455)**

Conversions

Conversions Part 1

Format	Color
Hex	A7D79C
RGB	167, 215, 156
RGB Percent	65%, 84%, 61%
CMY	0.3451, 0.1568, 0.3882
CMYK	0.22, 0.00, 0.27, 0.16
HSL	109°, 42%, 73%
HSV	109°, 27%, 84%
XYZ	46.2375, 59.2167, 40.4455
YIQ	193.9220, -9.6690, -28.5250

Conversions

Conversions Part 2

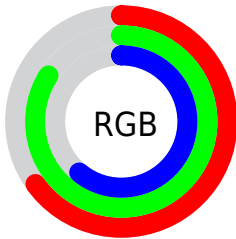
Format	Color
RYB	156, 215, 204
Decimal	10999708
CIELab	81.41, -26.64, 24.18
CIElCh	81, 35.974, 137.767
Yxy	59.2167, 0.3169, 0.4059
Android (android.graphics.Color)	4289189788 (0xFFA7D79C)
YUV	193.9220, -18.6955, -23.6106
Hunter-Lab	76.9524, -27.4134, 22.7044

Details

The XYZ color **46.2375, 59.2167, 40.4455** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.0587, 41.5224, 69.7222**, and the grayscale version is **51.3445, 54.0184, 58.8261**.

A 20% lighter version of the original color is **77.9493, 91.9111, 75.2603**, and **22.0089, 29.7185, 17.6730** is the 20% darker color. If you saturate the color by 10%, you get **41.1271, 56.7760, 31.5293**, and if you desaturate by 10%, it is **52.1732, 62.0491, 51.0849**.

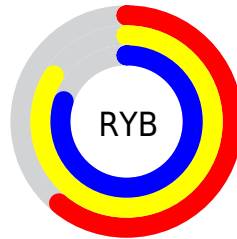
Distribution



Red (65%)

Green (84%)

Blue (61%)



Red (61%)

Yellow (84%)

Blue (80%)

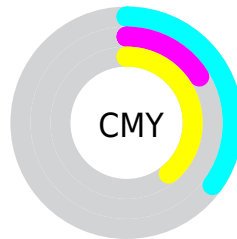


Cyan (22%)

Magenta (0%)

Yellow (27%)

Black (16%)



Cyan (35%)


Magenta (16%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2375, 59.2167, 40.4455 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 46.2375, 59.2167, 40.4455 by changing the saturation by 10% instead.

 46.2375, 59.2167,
40.4455


 46.2375, 59.2167,
40.4455


362.4626,
421.7045, 363.6055

 32.6387, 42.7876,
27.5696


 83.8000, 103.6925,
77.0859

 22.0077, 29.7185,
17.7653


 108.4944,
132.5081, 101.6876

 13.9792, 19.6250,
10.6139


137.6181,
166.2212, 131.0349

 8.1878, 12.1228,
5.6970

171.5364,
205.2163, 165.5464

 4.2682, 6.8273,
2.5959

210.6146,
249.8778, 205.6407

 1.8549, 3.3544,
0.8903

255.2181,

 0.5504, 1.3194,

300.5901, 251.7363

0.0000

305.7124,
357.7375, 304.2517

0.0000, 0.1562,
0.0000

0.0000, 0.0000,
0.0000

46.2375, 59.2167,
40.4455

46.2375, 59.2167,
40.4455

41.1271, 56.7760,
31.5293

52.1732, 62.0491,
51.0849

36.8005, 54.7024,
24.2421

58.9641, 65.2816,
63.5275

33.2193, 52.9799,
18.4864

66.6443, 68.9317,
77.8529

30.3401, 51.5885,
14.1529

75.2447, 73.0139,
94.1348

■ 28.1149, 50.5063,
11.1176

■ 83.3947, 76.9818,
105.0713

■ 26.4889, 49.7080,
9.2354

■ 83.5917, 77.0833,
105.0806

■ 25.3944, 49.1631,
8.3089

■ 25.1798, 49.0560,
8.1416

Harmonies

Analogous

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



51.9837, 59.2167, 32.5222



46.2375, 59.2167, 40.4455



43.2963, 59.2167, 56.0902

Triad

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



46.2375, 59.2167, 40.4455



53.2736, 59.2167, 114.0350



71.2151, 59.2167, 52.6428

Complementary

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



46.2375, 59.2167, 40.4455



49.0587, 41.5224, 69.7222

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.



71.6387, 59.2167, 73.6606



46.2375, 59.2167, 40.4455



60.8145, 59.2167, 112.5278

Square

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



46.2375, 59.2167, 40.4455



47.1091, 59.2167, 100.2755



67.6889, 59.2167, 96.5270



66.5783, 59.2167, 38.4083

Rectangle

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



46.2375, 59.2167, 40.4455



43.1321, 59.2167, 70.2395



67.6889, 59.2167, 96.5270



71.8690, 59.2167, 59.0385

Sweetspot

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



46.2390, 59.2192, 40.4468



86.0929, 95.7420, 92.2371



55.4309, 59.6566, 40.0468



18.0874, 20.3310, 19.1153



0.0000, 0.0000, 0.0000



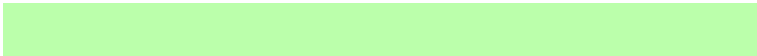
20.3446, 21.4041, 23.3091

Same Dimension

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



46.2390, 59.2192, 40.4468



63.4766, 84.9609, 51.5067



45.6234, 58.7159, 48.8214



12.4763, 14.0062, 13.2066



15.1255, 29.3738, 4.8725



0.9778, 1.8055, 0.2970

Inverse Universe

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



49.0587, 41.5224, 69.7222



68.2873, 54.6946, 101.5657



50.0275, 42.2706, 58.5284



12.7155, 12.5103, 15.6821



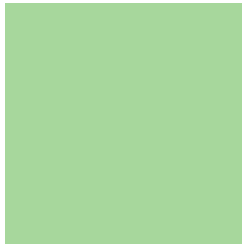
17.9843, 8.4237, 39.1312



1.1448, 0.5391, 2.3630

Previews

White Background



This preview shows how the XYZ color 46.2375, 59.2167, 40.4455 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 46.2375, 59.2167, 40.4455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

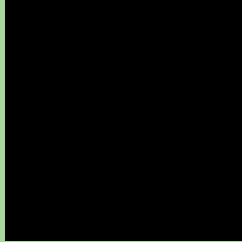
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2375, 59.2167, 40.4455

Background



This preview shows how black text looks on a background with the XYZ color 46.2375, 59.2167, 40.4455.



This preview shows how white text looks on a background with the XYZ color 46.2375, 59.2167,

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

46.2375, 59.2167, 40.4455

Protanopia

54.7106, 58.5742, 37.2766

Deuteranopia

59.9858, 58.8189, 41.9098



Tritanopia

53.7507, 58.9353, 78.3547

Trichromacy



Original Color

46.2375, 59.2167, 40.4455

Protanomaly

51.0275, 58.4154, 38.2916

Deuteranomaly

53.9569, 58.4459, 41.2382

Tritanomaly

50.5648, 58.7231, 62.7025

Monochromacy



Original Color

46.2375, 59.2167, 40.4455

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.1259, 55.7267, 51.3471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2375, 59.2167, 40.4455 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(167, 215, 156)` looks like.

```
.text, #text, p{  
    color:rgb(167, 215, 156)  
}
```

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(167, 215, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 215, 156) }
```

Border

The CSS property to change the border of an element to XYZ 46.2375, 59.2167, 40.4455 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(167, 215, 156) }
```


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

```
.border{ border-color:rgb(167, 215, 156) }
```

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

Here you see how a box with a 4 pixel rgb(167, 215, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 215, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 215, 156);  
box-shadow:4px 4px 4px 4px rgb(167, 215,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2375, 59.2167, 40.4455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 215, 156) }
```

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

```
.background{ background-color: rgb(167,  
215, 156) }
```

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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