

Converting Colors

XYZ(51.6172, 66.7126, 59.7214)

Have a look what the booklet for
XYZ(51.6172, 66.7126, 59.7214)
contains.

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Color

**XYZ(51.6446, 66.7220,
59.4469)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A0E4BF |
| RGB | 160, 228, 191 |
| RGB Percent | 63%, 89%, 75% |
| CMY | 0.3725, 0.1059, 0.2510 |
| CMYK | 0.30, 0.00, 0.16, 0.11 |
| HSL | 147°, 56%, 76% |
| HSV | 147°, 30%, 89% |
| XYZ | 51.6446, 66.7220, 59.4469 |
| YIQ | 203.4500, -28.6510, -25.9230 |

Conversions

Conversions Part 2

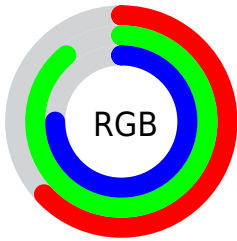
| Format | Color |
|-------------------------------------|--|
| RYB | 160, 207, 228 |
| Decimal | 10544319 |
| CIELab | 85.36, -28.91, 11.30 |
| CIELCh | 85, 31.037, 158.646 |
| Yxy | 66.7220, 0.2904, 0.3752 |
| Android (android.graphics.Color) | 4288734399 (0xFFA0E4BF) |
| YUV | 203.4500, -6.1378, -38.1056 |
| Hunter-Lab | 81.6835, -30.0892, 14.0289 |

Details

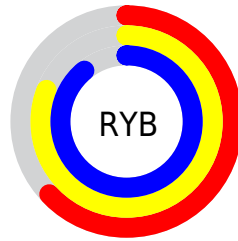
The XYZ color **51.6446, 66.7220, 59.4469** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.6461, 45.6684, 58.7608**, and the grayscale version is **57.0995, 60.0731, 65.4196**.

A 20% lighter version of the original color is **80.8674, 92.8343, 101.6523**, and **25.2838, 34.4042, 29.3528** is the 20% darker color. If you saturate the color by 10%, you get **46.1900, 64.0630, 52.3645**, and if you desaturate by 10%, it is **58.0544, 69.8637, 67.1807**.

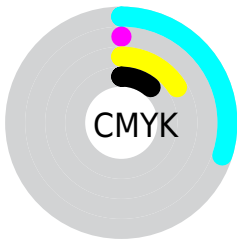
Distribution



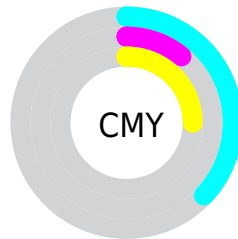
- Red (63%)
- Green (89%)
- Blue (75%)



- Red (63%)
- Yellow (81%)
- Blue (89%)



- Cyan (30%)
- Magenta (0%)
- Yellow (16%)
- Black (11%)





- Cyan (37%)
- Magenta (11%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6446, 66.7220, 59.4469 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 51.6446, 66.7220, 59.4469 by changing the saturation by 10% instead.


 51.6446, 66.7220,
59.4469


 51.6446, 66.7220,
59.4469


383.4096,
448.9546, 440.3040

 36.9450, 48.8587,
42.5506


 91.7842, 114.5220,
105.5624

 25.3384, 34.5074,
29.2039


 117.9550,
145.2275, 135.6187

 16.4594, 23.2837,
18.9882

148.6801,
180.9825, 170.8987

 9.9427, 14.8031,
11.4850

184.3250,
222.1715, 211.8210

 5.4230, 8.6813,
6.2758

225.2551,
269.1788, 258.8042

 2.5348, 4.5339,
2.9420


271.8356,

 0.9128, 1.9765,


322.3888, 312.2667


1.0651


324.4320,
382.1859, 372.6271


 0.0000, 0.5938,
0.0000


 0.0000, 0.0000,
0.0000


 51.6446, 66.7220,
59.4469


 51.6446, 66.7220,
59.4469


 46.1900, 64.0630,
52.3645


 58.0544, 69.8637,
67.1807


 41.6366, 61.8538,
45.9117


 65.4589, 73.5027,
75.5778


 37.9331, 60.0699,
40.0722


 73.9020, 77.6631,
84.6556

 35.0205, 58.6815,
34.8270


 83.4234, 82.3651,
94.4293


 32.8317, 57.6543,
30.1561

 86.7198, 83.8434,
104.5702

 31.2878, 56.9479,
26.0381

 87.0347, 83.9693,
106.2282

 30.2563, 56.4945,
22.4481

 30.2402, 56.4875,
22.3898

Harmonies

Analogous

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



55.3460, 66.7220, 46.4183



51.6446, 66.7220, 59.4469



50.9724, 66.7220, 78.6243

Triad

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



51.6446, 66.7220, 59.4469



65.4707, 66.7220, 118.0262



74.5691, 66.7220, 51.0587

Complementary

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



51.6446, 66.7220, 59.4469



54.6461, 45.6684, 58.7608

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.



77.7389, 66.7220, 66.9842



51.6446, 66.7220, 59.4469



72.2374, 66.7220, 107.2655

Square

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



51.6446, 66.7220, 59.4469



58.6223, 66.7220, 114.9884



76.8554, 66.7220, 87.6737



68.4668, 66.7220, 42.2342

Rectangle

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



51.6446, 66.7220, 59.4469



52.2807, 66.7220, 92.8289



76.8554, 66.7220, 87.6737



76.0326, 66.7220, 55.6285

Sweetspot

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



51.6464, 66.7248, 59.4484



85.1590, 95.1258, 98.2810



57.2217, 69.9523, 43.7448



17.9076, 20.2034, 20.6833



0.0000, 0.0000, 0.0000



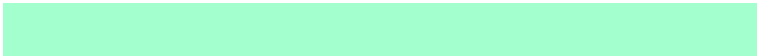
20.3446, 21.4041, 23.3091

Same Dimension

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



51.6464, 66.7248, 59.4484



61.9305, 83.7378, 70.6871



55.7789, 68.3778, 81.2099



14.4612, 16.1979, 16.6933



17.5192, 32.6398, 13.2346



1.3410, 2.4305, 1.2222

Inverse Universe

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



54.6461, 45.6684, 58.7608



66.4022, 52.3373, 69.6541



51.2145, 44.2958, 40.6902



14.7034, 14.4985, 16.6385



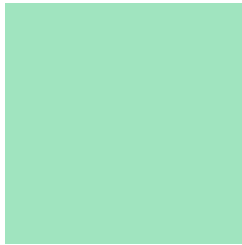
20.6387, 10.3897, 12.2583



1.5719, 0.7865, 1.1520

Previews

White Background



This preview shows how the XYZ color 51.6446, 66.7220, 59.4469 looks on a white background.

Color Contrast Check

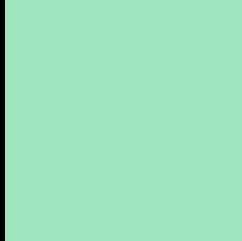
Large Text (above 18pt) WCAG AA × Fail

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 51.6446, 66.7220, 59.4469 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

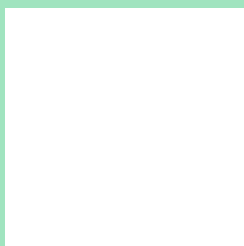
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6446, 66.7220, 59.4469

Background



This preview shows how black text looks on a background with the XYZ color 51.6446, 66.7220, 59.4469.



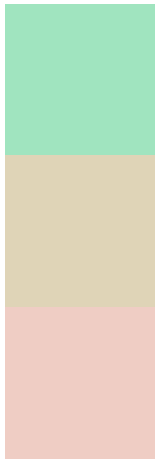
This preview shows how white text looks on a background with the XYZ color 51.6446, 66.7220,

59.4469.

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

51.6446, 66.7220, 59.4469

Protanopia

62.5222, 66.1938, 54.2812

Deuteranopia

67.3917, 65.9989, 61.4117



Tritanopia

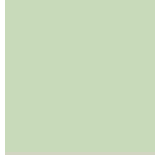
58.0140, 66.4909, 91.4377

Trichromacy



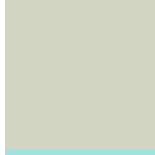
Original Color

51.6446, 66.7220, 59.4469



Protanomaly

57.7537, 65.9673, 56.1434



Deuteranomaly

60.1102, 65.1852, 60.4528



Tritanomaly

55.5664, 66.6922, 79.0515

Monochromacy



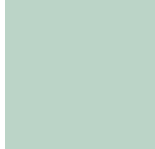
Original Color

51.6446, 66.7220, 59.4469



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

54.3458, 61.7753, 63.0923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6446, 66.7220, 59.4469 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(160, 228, 191)` looks like.

```
.text, #text, p{  
    color:rgb(160, 228, 191)  
}
```

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(160, 228, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 228, 191) }
```

Border

The CSS property to change the border of an element to XYZ 51.6446, 66.7220, 59.4469 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(160, 228, 191) }
```


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

```
.border{ border-color:rgb(160, 228, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 228, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 228, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 228, 191);  
box-shadow:4px 4px 4px 4px rgb(160, 228,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6446, 66.7220, 59.4469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 228, 191) }
```

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

```
.background{ background-color: rgb(160,  
228, 191) }
```

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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