

Converting Colors

XYZ(46.8959, 59.7216, 44.7222)

Have a look what the booklet for
XYZ(46.8959, 59.7216, 44.7222)
contains.

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Color

**XYZ(46.8644, 59.8277,
44.6752)**

Conversions

Conversions Part 1

Format	Color
Hex	A5D8A5
RGB	165, 216, 165
RGB Percent	65%, 85%, 65%
CMY	0.3529, 0.1529, 0.3529
CMYK	0.24, 0.00, 0.24, 0.15
HSL	120°, 40%, 75%
HSV	120°, 24%, 85%
XYZ	46.8644, 59.8277, 44.6752
YIQ	194.9370, -14.0250, -26.6730

Conversions

Conversions Part 2

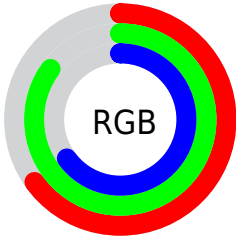
Format	Color
RYB	165, 216, 216
Decimal	10868901
CIELab	81.74, -26.31, 19.91
CIELCh	82, 32.990, 142.880
Yxy	59.8277, 0.3096, 0.3952
Android (android.graphics.Color)	4289058981 (0xFFA5D8A5)
YUV	194.9370, -14.7589, -26.2547
Hunter-Lab	77.3484, -27.2087, 19.8989

Details

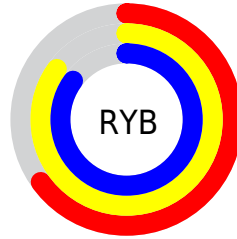
The XYZ color **46.8644, 59.8277, 44.6752** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.1707, 46.4682, 71.0823**, and the grayscale version is **51.9266, 54.6309, 59.4930**.

A 20% lighter version of the original color is **78.4971, 92.0595, 81.3422**, and **22.4076, 30.1267, 20.2568** is the 20% darker color. If you saturate the color by 10%, you get **40.9426, 56.9849, 34.9878**, and if you desaturate by 10%, it is **53.8802, 63.1995, 56.1495**.

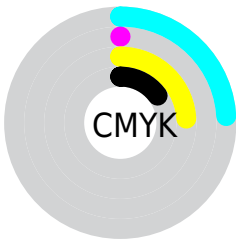
Distribution



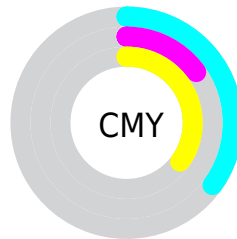
- Red (65%)
- Green (85%)
- Blue (65%)



- Red (65%)
- Yellow (85%)
- Blue (85%)



- Cyan (24%)
- Magenta (0%)
- Yellow (24%)
- Black (15%)





- Cyan (35%)
- Magenta (15%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8644, 59.8277, 44.6752 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 46.8644, 59.8277, 44.6752 by changing the saturation by 10% instead.


 46.8644, 59.8277,
44.6752

 46.8644, 59.8277,
44.6752


364.9310,
423.9624, 381.5782

 33.1360, 43.2798,
30.8606


 84.7312, 104.5797,
83.5461

 22.3904, 30.1047,
20.2351


 109.6002,
133.5525, 109.4394

 14.2622, 19.9181,
12.3803


138.9135,
167.4358, 140.1961

 8.3862, 12.3355,
6.8776

173.0363,
206.6139, 176.2346

 4.3969, 6.9726,
3.3084

212.3342,
251.4712, 217.9736

 1.9290, 3.4450,
1.2542

257.1723,

 0.5936, 1.3682,

302.3921, 265.8314

0.0238

307.9161,
359.7611, 320.2268

■ 0.0000, 0.1931,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.8644, 59.8277,
44.6752

■ 46.8644, 59.8277,
44.6752

■ 40.9426, 56.9849,
34.9878

■ 53.8802, 63.1995,
56.1495

■ 36.0554, 54.6374,
26.9938

■ 62.0363, 67.1173,
69.4901

■ 32.1447, 52.7589,
20.5972

■ 71.3818, 71.6065,
84.7763

■ 29.1451, 51.3180,
15.6907

■ 81.9619, 76.6886,
102.0817

■ 26.9829, 50.2794,
12.1539

■ 83.8471, 77.5941,
105.1657

■ 25.5732, 49.6022,
9.8479

■ 24.8130, 49.2371,
8.6044

■ 24.5571, 49.1142,
8.1858

Harmonies

Analogous

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



51.8274, 59.8277, 35.8707



46.8644, 59.8277, 44.6752



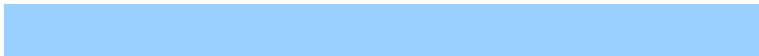
44.6128, 59.8277, 60.5145

Triad

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



46.8644, 59.8277, 44.6752



55.2248, 59.8277, 110.9544



70.0805, 59.8277, 51.3716

Complementary

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



46.8644, 59.8277, 44.6752



54.1707, 46.4682, 71.0823

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.



71.1759, 59.8277, 70.0000



46.8644, 59.8277, 44.6752



62.2177, 59.8277, 107.1272

Square

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



46.8644, 59.8277, 44.6752



49.1781, 59.8277, 100.6557



68.1945, 59.8277, 91.0640



65.3127, 59.8277, 39.1516

Rectangle

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



46.8644, 59.8277, 44.6752



44.8113, 59.8277, 74.0473



68.1945, 59.8277, 91.0640



70.9055, 59.8277, 56.9813

Sweetspot

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



46.8660, 59.8302, 44.6765



86.0432, 95.6736, 94.1679



59.6690, 66.4304, 45.2751



18.2592, 20.4024, 19.8980



0.0000, 0.0000, 0.0000



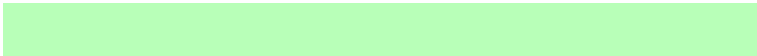
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8660, 59.8302, 44.6765



64.0415, 85.1050, 58.1804



49.4236, 60.8533, 58.1447



12.2625, 13.8960, 13.1967



14.5346, 29.0692, 4.8450



0.8767, 1.7533, 0.2922

Inverse Universe

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



54.1707, 46.4682, 71.0823



76.3472, 62.5949, 102.6644



51.1249, 45.2499, 55.0433



12.9531, 12.6327, 15.6931



24.0979, 11.5755, 39.4153



1.4535, 0.6982, 2.3774

Previews

White Background



This preview shows how the XYZ color 46.8644, 59.8277, 44.6752 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 46.8644, 59.8277, 44.6752 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

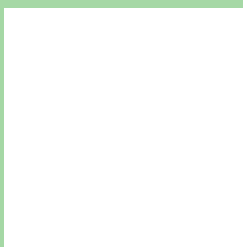
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8644, 59.8277, 44.6752

Background



This preview shows how black text looks on a background with the XYZ color 46.8644, 59.8277, 44.6752.



This preview shows how white text looks on a background with the XYZ color 46.8644, 59.8277,

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

46.8644, 59.8277, 44.6752

Protanopia

55.6974, 59.3432, 41.3197

Deuteranopia

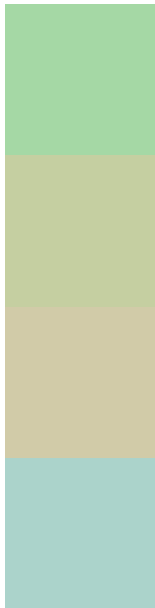
60.6082, 59.3872, 45.8046



Tritanopia

53.8257, 59.6620, 79.9132

Trichromacy



Original Color

46.8644, 59.8277, 44.6752

Protanomaly

51.7718, 59.0692, 42.3910

Deuteranomaly

54.7183, 59.0943, 45.5682

Tritanomaly

50.8683, 59.5583, 65.3148

Monochromacy



Original Color

46.8644, 59.8277, 44.6752

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.7748, 56.3629, 53.6031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8644, 59.8277, 44.6752 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(165, 216, 165)` looks like.

```
.text, #text, p{  
    color:rgb(165, 216, 165)  
}
```

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(165, 216, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 216, 165) }
```

Border

The CSS property to change the border of an element to XYZ 46.8644, 59.8277, 44.6752 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(165, 216, 165) }
```


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

```
.border{ border-color:rgb(165, 216, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 216, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 216, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 216, 165);  
box-shadow:4px 4px 4px 4px rgb(165, 216,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8644, 59.8277, 44.6752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 216, 165) }
```

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

```
.background{ background-color: rgb(165,  
216, 165) }
```

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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