

Converting Colors

XYZ(49.6076, 66.0070, 27.8785)

Have a look what the booklet for
XYZ(49.6076, 66.0070, 27.8785)
contains.

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Color

**XYZ(49.6816, 65.9975,
27.8896)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E378
RGB	180, 227, 120
RGB Percent	71%, 89%, 47%
CMY	0.2941, 0.1098, 0.5294
CMYK	0.21, 0.00, 0.47, 0.11
HSL	86°, 66%, 68%
HSV	86°, 47%, 89%
XYZ	49.6816, 65.9975, 27.8896
YIQ	200.7490, 6.3350, -43.2410

Conversions

Conversions Part 2

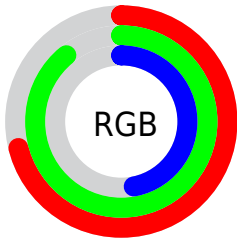
Format	Color
RYB	120, 227, 167
Decimal	11854712
CIELab	85.00, -32.56, 47.11
CIELCh	85, 57.267, 124.644
Yxy	65.9975, 0.3460, 0.4597
Android (android.graphics.Color)	4290044792 (0xFFB4E378)
YUV	200.7490, -39.8093, -18.1969
Hunter-Lab	81.2388, -33.0063, 36.5127

Details

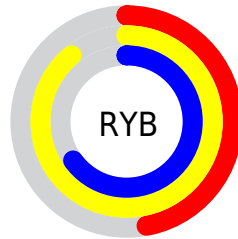
The XYZ color **49.6816, 65.9975, 27.8896** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **36.5207, 27.1964, 76.0013**, and the grayscale version is **55.5993, 58.4948, 63.7008**.

A 20% lighter version of the original color is **78.3250, 92.5805, 53.7861**, and **24.0637, 33.9031, 10.7445** is the 20% darker color. If you saturate the color by 10%, you get **46.2259, 64.3588, 21.3695**, and if you desaturate by 10%, it is **53.6342, 67.8587, 36.1402**.

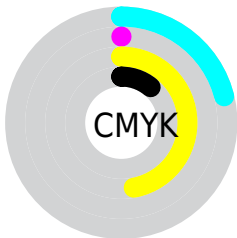
Distribution



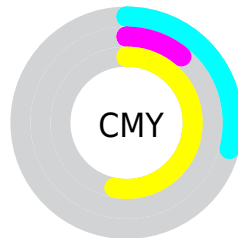
- Red (71%)
- Green (89%)
- Blue (47%)



- Red (47%)
- Yellow (89%)
- Blue (65%)



- Cyan (21%)
- Magenta (0%)
- Yellow (47%)
- Black (11%)





- Cyan (29%)
- Magenta (11%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6816, 65.9975, 27.8896 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 49.6816, 65.9975, 27.8896 by changing the saturation by 10% instead.


 49.6816, 65.9975,
27.8896


 49.6816, 65.9975,
27.8896


375.8921,
446.3679, 305.8343


 35.3772, 48.2704,
18.0041


 88.8976, 113.4827,
57.3291

 24.1215, 34.0410,
10.7835


 114.5399,
144.0097, 77.7202

 15.5490, 22.9251,
5.8091


 144.6923,
179.5719, 102.4503

 9.2944, 14.5382,
2.6624

179.7201,
220.5540, 131.9380

 4.9923, 8.4960,
0.9244

219.9886,
267.3402, 166.6016

 2.2775, 4.4139,
0.0000

265.8632,

 0.7831, 1.9077,

320.3151, 206.8599

0.0000

317.7092,
379.8628, 253.1313

0.0000, 0.5530,
0.0000

0.0000, 0.0000,
0.0000

49.6816, 65.9975,
27.8896

49.6816, 65.9975,
27.8896

46.2259, 64.3588,
21.3695

53.6342, 67.8587,
36.1402

43.2352, 62.9229,
16.4520


58.1034, 69.9440,
46.2286


40.6812, 61.6800,
12.9985


63.1134, 72.2657,
58.2583


38.5287, 60.6158,
10.8448


68.6854, 74.8326,
72.3240


 36.7334, 59.7121,
9.7762

 74.8392, 77.6531,
88.5141

 36.2652, 59.4748,
9.5684

 81.3989, 80.6570,
105.8859

 84.8750, 82.4490,
106.0486

 86.7605, 83.4210,
106.1368

Harmonies

Analogous

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



60.7455, 65.9975, 21.8266



49.6816, 65.9975, 27.8896



42.9115, 65.9975, 45.5734

Triad

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



49.6816, 65.9975, 27.8896



52.7131, 65.9975, 156.8570



90.7802, 65.9975, 66.2711

Complementary

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



49.6816, 65.9975, 27.8896



36.5207, 27.1964, 76.0013

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.



87.8647, 65.9975, 106.6990



49.6816, 65.9975, 27.8896



64.7545, 65.9975, 168.2225

Square

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



49.6816, 65.9975, 27.8896



44.4865, 65.9975, 120.1698



77.8806, 65.9975, 147.3945



85.3792, 65.9975, 38.6210

Rectangle

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



49.6816, 65.9975, 27.8896



41.1680, 65.9975, 65.4432



77.8806, 65.9975, 147.3945



90.7459, 65.9975, 78.6833

Sweetspot

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



49.6832, 66.0004, 27.8910



84.2896, 95.0563, 81.1303



48.7742, 45.0952, 23.9038



17.7148, 20.1952, 16.5524



0.0000, 0.0000, 0.0000



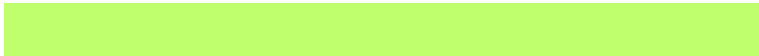
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6832, 66.0004, 27.8910



60.0788, 83.7339, 27.6479



39.6336, 60.8196, 27.4207



14.9585, 16.4857, 15.2981



21.2852, 34.7544, 5.5864



1.6792, 2.6230, 0.4178

Inverse Universe

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



36.5207, 27.1964, 76.0013



40.9328, 27.2379, 97.7078



50.0590, 34.1756, 76.6349



14.1806, 14.1953, 18.1369



11.2621, 4.8717, 42.7299



0.9374, 0.4142, 3.1625

Previews

White Background



This preview shows how the XYZ color 49.6816, 65.9975, 27.8896 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 49.6816, 65.9975, 27.8896 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 49.6816, 65.9975, 27.8896

Background



This preview shows how black text looks on a background with the XYZ color 49.6816, 65.9975, 27.8896.



This preview shows how white text looks on a background with the XYZ color 49.6816, 65.9975,

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

49.6816, 65.9975, 27.8896

Protanopia

60.2423, 65.6484, 25.7160

Deuteranopia

66.4573, 65.1398, 30.5433



Tritanopia

60.9760, 65.4648, 85.0235

Trichromacy



Original Color

49.6816, 65.9975, 27.8896



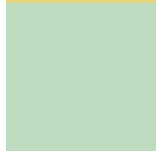
Protanomaly

55.7553, 65.2062, 26.4771



Deuteranomaly

59.1199, 64.6148, 29.4346



Tritanomaly

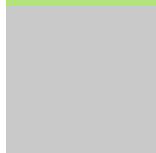
55.9707, 65.3718, 58.9583

Monochromacy



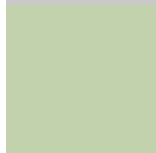
Original Color

49.6816, 65.9975, 27.8896



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.4853, 60.4092, 47.9236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6816, 65.9975, 27.8896 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(180, 227, 120)` looks like.

```
.text, #text, p{  
    color:rgb(180, 227, 120)  
}
```

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(180, 227, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 227, 120) }
```

Border

The CSS property to change the border of an element to XYZ 49.6816, 65.9975, 27.8896 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(180, 227, 120) }
```


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

```
.border{ border-color:rgb(180, 227, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 227, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 227, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 227, 120);  
box-shadow:4px 4px 4px 4px rgb(180, 227,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6816, 65.9975, 27.8896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 227, 120) }
```

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

```
.background{ background-color: rgb(180,  
227, 120) }
```

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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