

Converting Colors

XYZ(47.4728, 64.1125, 61.5026)

Have a look what the booklet for
XYZ(47.4728, 64.1125, 61.5026)
contains.

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Color

**XYZ(47.4728, 64.1125,
61.5026)**

Conversions

Conversions Part 1

Format	Color
Hex	88E3C3
RGB	136, 227, 195
RGB Percent	53%, 89%, 76%
CMY	0.4667, 0.1098, 0.2353
CMYK	0.40, 0.00, 0.14, 0.11
HSL	159°, 62%, 71%
HSV	159°, 40%, 89%
XYZ	47.4728, 64.1125, 61.5026
YIQ	196.1430, -43.9640, -29.2440

Conversions

Conversions Part 2

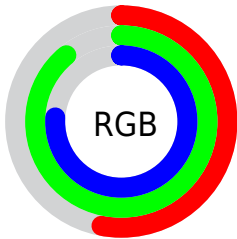
Format	Color
RYB	136, 191, 227
Decimal	8971203
CIELab	84.02, -34.43, 7.13
CIELCh	84, 35.161, 168.301
Yxy	64.1125, 0.2743, 0.3704
Android (android.graphics.Color)	4287161283 (0xFF88E3C3)
YUV	196.1430, -0.5635, -52.7454
Hunter-Lab	80.0703, -34.2923, 10.5081

Details

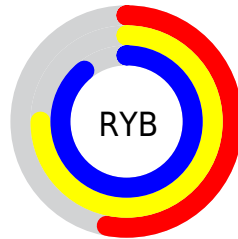
The XYZ color **47.4728, 64.1125, 61.5026** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.5528, 36.7682, 41.6392**, and the grayscale version is **52.5788, 55.3170, 60.2402**.

A 20% lighter version of the original color is **75.3230, 89.8857, 105.4752**, and **22.6789, 32.7544, 30.3262** is the 20% darker color. If you saturate the color by 10%, you get **43.2909, 62.0599, 56.7213**, and if you desaturate by 10%, it is **52.4872, 66.5921, 66.5776**.

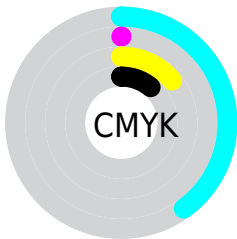
Distribution



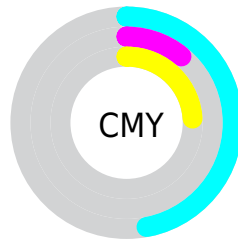
- Red (53%)
- Green (89%)
- Blue (76%)



- Red (53%)
- Yellow (75%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (14%)
- Black (11%)





- Cyan (47%)
- Magenta (11%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4728, 64.1125, 61.5026 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 47.4728, 64.1125, 61.5026 by changing the saturation by 10% instead.


 47.4728, 64.1125,
61.5026


 47.4728, 64.1125,
61.5026


367.3161,
439.5958, 448.0719


 33.6191, 46.7418,
44.1977


 85.6334, 110.7729,
108.5709

 22.7626, 32.8316,
30.4876


 110.6710,
140.8315, 139.1715

 14.5381, 21.9975,
19.9538


 140.1672,
175.8881, 175.0410

 8.5800, 13.8550,
12.1777

174.4875,
216.3271, 216.5980

 4.5232, 8.0199,
6.7408

213.9972,
262.5330, 264.2610

 2.0022, 4.1077,
3.2246

259.0616,

 0.6352, 1.7340,

314.8902, 318.4487

1.2104

310.0461,
373.7830, 379.5795

■ 0.0000, 0.4455,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.4728, 64.1125,
61.5026

■ 47.4728, 64.1125,
61.5026

■ 43.2909, 62.0599,
56.7213

■ 52.4872, 66.5921,
66.5776

■ 39.8858, 60.4005,
52.2230


■ 58.3750, 69.5146,
71.9479


■ 37.2030, 59.1081,
48.0025


■ 65.1804, 72.9044,
77.6205


■ 35.1784, 58.1497,
44.0529


■ 72.9432, 76.7820,
83.6012


 33.7359, 57.4862,
40.3663

 81.7009, 81.1665,
89.8950

 32.7503, 57.0524,
36.9612

 84.8728, 82.6654,
96.1977

 86.1044, 83.1580,
102.6832

 86.7602, 83.4204,
106.1367

Harmonies

Analogous

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



50.4695, 64.1125, 45.0824



47.4728, 64.1125, 61.5026



47.8500, 64.1125, 84.0915

Triad

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



47.4728, 64.1125, 61.5026



65.7393, 64.1125, 118.6989



71.4024, 64.1125, 42.5344

Complementary

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



47.4728, 64.1125, 61.5026



47.5528, 36.7682, 41.6392

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.



76.2160, 64.1125, 57.2404



47.4728, 64.1125, 61.5026



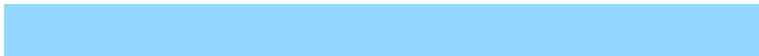
72.7601, 64.1125, 102.2374

Square

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



47.4728, 64.1125, 61.5026



57.9636, 64.1125, 120.5210



76.7329, 64.1125, 78.8285



64.0104, 64.1125, 35.7889

Rectangle

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



47.4728, 64.1125, 61.5026



49.9699, 64.1125, 99.7559



76.7329, 64.1125, 78.8285



73.4017, 64.1125, 46.5473

Sweetspot

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



47.4746, 64.1151, 61.5041



82.9900, 93.9775, 99.5437



48.3561, 65.1941, 33.3289



17.5059, 19.9868, 21.0960



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.



47.4746, 64.1151, 61.5041



57.2479, 81.2253, 74.9187



48.2871, 59.3158, 81.5800



14.5809, 16.2458, 17.3239



19.1566, 33.2947, 21.8567



1.4592, 2.4778, 1.8450

Inverse Universe

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



47.5528, 36.7682, 41.6392



57.3742, 41.0463, 45.7889



46.7354, 39.3319, 28.4224



14.5853, 14.4513, 16.0164



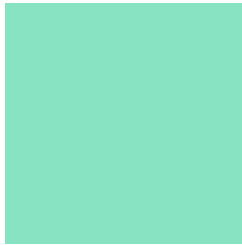
19.3659, 9.8806, 5.5559



1.4739, 0.7473, 0.6360

Previews

White Background



This preview shows how the XYZ color 47.4728, 64.1125, 61.5026 looks on a white background.

Color Contrast Check

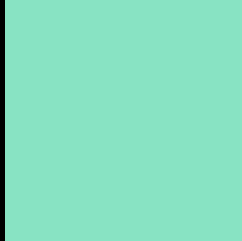
Large Text (above 18pt) WCAG AA × Fail

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 47.4728, 64.1125, 61.5026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

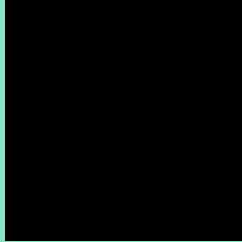
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4728, 64.1125, 61.5026

Background



This preview shows how black text looks on a background with the XYZ color 47.4728, 64.1125, 61.5026.

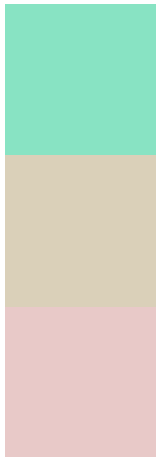


This preview shows how white text looks on a background with the XYZ color 47.4728, 64.1125,

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

47.4728, 64.1125, 61.5026

Protanopia

60.2263, 63.5200, 54.9853

Deuteranopia

64.5907, 63.0992, 63.4187



Tritanopia

53.4691, 64.1479, 91.2250

Trichromacy



Original Color

47.4728, 64.1125, 61.5026



Protanomaly

54.2248, 62.9664, 57.4399



Deuteranomaly

56.2656, 62.0407, 62.4356



Tritanomaly

51.0347, 63.9427, 79.4644

Monochromacy



Original Color

47.4728, 64.1125, 61.5026



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.7322, 57.6098, 60.7232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4728, 64.1125, 61.5026 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(136, 227, 195)` looks like.

```
.text, #text, p{  
    color:rgb(136, 227, 195)  
}
```

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(136, 227, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 227, 195) }
```

Border

The CSS property to change the border of an element to XYZ 47.4728, 64.1125, 61.5026 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(136, 227, 195) }
```


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

```
.border{ border-color:rgb(136, 227, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 227, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 227, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 227, 195); box-shadow:4px 4px 4px 4px rgb(136, 227, 195) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4728, 64.1125, 61.5026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 227, 195) }
```

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

```
.background{ background-color: rgb(136,  
227, 195) }
```

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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