

Converting Colors

XYZ(46.1527, 60.9277, 62.5918)

Have a look what the booklet for
XYZ(46.1527, 60.9277, 62.5918)
contains.

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Color

**XYZ(46.2028, 61.0244,
62.7698)**

Conversions

Conversions Part 1

Format	Color
Hex	88DDC6
RGB	136, 221, 198
RGB Percent	53%, 87%, 78%
CMY	0.4667, 0.1333, 0.2235
CMYK	0.38, 0.00, 0.10, 0.13
HSL	164°, 56%, 70%
HSV	164°, 38%, 87%
XYZ	46.2028, 61.0244, 62.7698
YIQ	192.9630, -43.2770, -25.1730

Conversions

Conversions Part 2

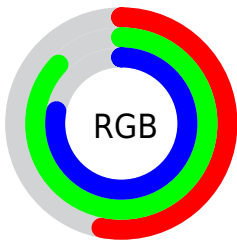
Format	Color
RYB	136, 185, 221
Decimal	8969670
CIELab	82.39, -30.96, 3.19
CIELCh	82, 31.127, 174.123
Yxy	61.0244, 0.2718, 0.3590
Android (android.graphics.Color)	4287159750 (0xFF88DDC6)
YUV	192.9630, 2.4832, -49.9566
Hunter-Lab	78.1181, -31.1332, 7.0417

Details

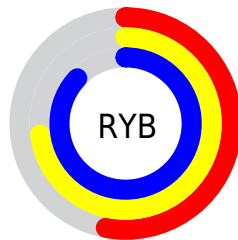
The XYZ color **46.2028, 61.0244, 62.7698** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.8830, 35.4852, 37.2869**, and the grayscale version is **50.6723, 53.3112, 58.0559**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **22.0636, 31.0354, 31.2131** is the 20% darker color. If you saturate the color by 10%, you get **42.3010, 59.0927, 59.0579**, and if you desaturate by 10%, it is **50.8753, 63.3534, 66.6626**.

Distribution



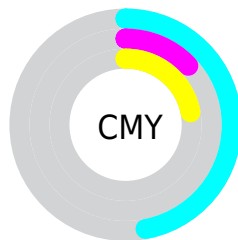
- Red (53%)
- Green (87%)
- Blue (78%)



- Red (53%)
- Yellow (73%)
- Blue (87%)



- Cyan (38%)
- Magenta (0%)
- Yellow (10%)
- Black (13%)



- Cyan (47%)
- Magenta (13%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2028, 61.0244, 62.7698 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 46.2028, 61.0244, 62.7698 by changing the saturation by 10% instead.

46.2028, 61.0244,
62.7698

46.2028, 61.0244,
62.7698

362.3257,
428.3635, 452.8185

32.6112, 44.2449,
45.2152

83.7484, 106.3143,
110.4197

21.9866, 30.8631,
31.2828

108.4332,
135.5934, 141.3521

13.9636, 20.4946,
20.5540

137.5463,
169.8078, 177.5808

8.1769, 12.7551,
12.6103

171.4532,
209.3419, 219.5244

4.2611, 7.2601,
7.0332

210.5192,
254.5802, 267.6015

1.8509, 3.6253,
3.4041

255.1098,

0.5480, 1.4662,

305.9069, 322.2304

1.3045

305.5901,
363.7065, 383.8299

■ 0.0000, 0.2648,
0.0655

■ 0.0000, 0.0000,
0.0000

■ 46.2028, 61.0244,
62.7698

■ 46.2028, 61.0244,
62.7698

■ 42.3010, 59.0927,
59.0579

■ 50.8753, 63.3534,
66.6626

■ 39.1186, 57.5271,
55.5189

■ 56.3555, 66.0941,
70.7358

■ 36.6061, 56.3039,
52.1503

■ 62.6843, 69.2690,
74.9940

■ 34.7054, 55.3929,
48.9475

■ 69.8981, 72.8969,
79.4405

■ 33.3480, 54.7590,
45.9058

■ 78.0312, 76.9955,
84.0785

■ 32.4322, 54.3499,
43.0185

■ 81.9324, 78.9091,
88.6684

■ 32.3080, 54.2953,
42.5869

■ 82.8059, 79.2584,
93.2680

■ 83.7086, 79.6195,
98.0218

■ 84.6409, 79.9925,
102.9313

Harmonies

Analogous

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



48.2570, 61.0244, 47.2324



46.2028, 61.0244, 62.7698



47.1093, 61.0244, 82.5423

Triad

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



46.2028, 61.0244, 62.7698



63.3794, 61.0244, 105.7290



65.8130, 61.0244, 40.9968

Complementary

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



46.2028, 61.0244, 62.7698



44.8830, 35.4852, 37.2869

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.



70.4559, 61.0244, 52.5900



46.2028, 61.0244, 62.7698



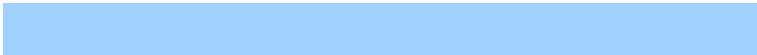
68.9776, 61.0244, 90.2680

Square

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



46.2028, 61.0244, 62.7698



56.7039, 61.0244, 109.8733



71.6559, 61.0244, 70.2613



59.3195, 61.0244, 36.2987

Rectangle

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



46.2028, 61.0244, 62.7698



49.3086, 61.0244, 95.3003



71.6559, 61.0244, 70.2613



67.6611, 61.0244, 44.0957

Sweetspot

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



46.2045, 61.0269, 62.7712



83.3698, 94.1294, 101.5434



44.8161, 60.9752, 32.7008



17.5955, 20.0226, 21.5680



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.



46.2045, 61.0269, 62.7712



59.5456, 82.2393, 82.7293



44.4640, 52.9722, 76.2907



13.2867, 14.7663, 15.9725



18.8171, 31.5595, 24.9998



1.2544, 2.0587, 1.8055

Inverse Universe

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



44.8830, 35.4852, 37.2869



57.4886, 42.2322, 42.8761



45.8891, 40.4004, 28.6729



13.2001, 13.1091, 14.3147



17.8337, 9.1345, 3.5045



1.1912, 0.6061, 0.4157

Previews

White Background



This preview shows how the XYZ color 46.2028, 61.0244, 62.7698 looks on a white background.

Color Contrast Check

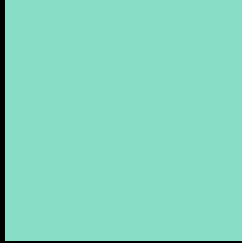
Large Text (above 18pt) WCAG AA × Fail

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 46.2028, 61.0244, 62.7698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

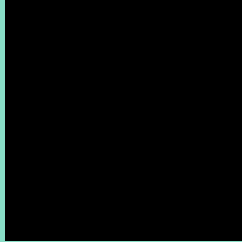
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2028, 61.0244, 62.7698

Background



This preview shows how black text looks on a background with the XYZ color 46.2028, 61.0244, 62.7698.

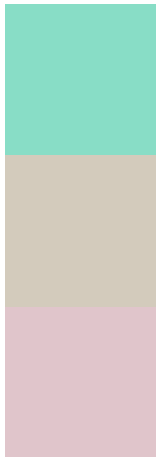


This preview shows how white text looks on a background with the XYZ color 46.2028, 61.0244,

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

46.2028, 61.0244, 62.7698

Protanopia

57.2970, 60.1916, 56.1752

Deuteranopia

61.4862, 60.0916, 64.8581



Tritanopia

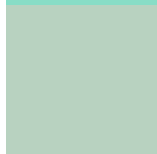
50.9409, 61.0147, 86.1829

Trichromacy



Original Color

46.2028, 61.0244, 62.7698



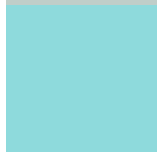
Protanomaly

52.3282, 60.0893, 58.7096



Deuteranomaly

54.3521, 59.5661, 63.8911



Tritanomaly

49.1450, 61.0609, 76.9059

Monochromacy



Original Color

46.2028, 61.0244, 62.7698



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.2195, 55.4227, 59.7860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2028, 61.0244, 62.7698 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, 221, 198)` looks like.

```
.text, #text, p{  
    color:rgb(136, 221, 198)  
}
```

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, 221, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 221, 198) }
```

Border

The CSS property to change the border of an element to XYZ 46.2028, 61.0244, 62.7698 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, 221, 198) }
```


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

```
.border{ border-color:rgb(136, 221, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 221, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 221, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 221, 198); box-shadow:4px 4px 4px 4px rgb(136, 221, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2028, 61.0244, 62.7698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 221, 198) }
```

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

```
.background{ background-color: rgb(136,  
221, 198) }
```

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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