

Converting Colors

XYZ(46.7340, 61.7355, 61.2885)

Have a look what the booklet for
XYZ(46.7340, 61.7355, 61.2885)
contains.

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Color

**XYZ(46.6191, 61.6717,
61.0765)**

Conversions

Conversions Part 1

Format	Color
Hex	8BDEC3
RGB	139, 222, 195
RGB Percent	55%, 87%, 76%
CMY	0.4549, 0.1294, 0.2353
CMYK	0.37, 0.00, 0.12, 0.13
HSL	160°, 56%, 71%
HSV	160°, 37%, 87%
XYZ	46.6191, 61.6717, 61.0765
YIQ	194.1050, -40.8010, -25.9930

Conversions

Conversions Part 2

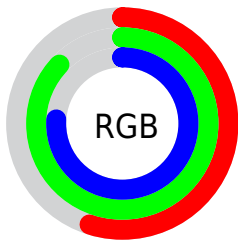
Format	Color
RYB	139, 189, 222
Decimal	9166531
CIELab	82.74, -31.28, 5.30
CIElCh	83, 31.725, 170.391
Yxy	61.6717, 0.2753, 0.3641
Android (android.graphics.Color)	4287356611 (0xFF8BDEC3)
YUV	194.1050, 0.4412, -48.3271
Hunter-Lab	78.5313, -31.4656, 8.8601

Details

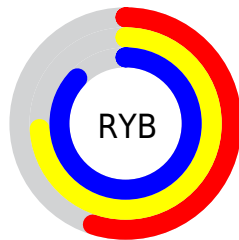
The XYZ color **46.6191, 61.6717, 61.0765** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.2419, 36.7496, 40.7351**, and the grayscale version is **51.3565, 54.0311, 58.8398**.

A 20% lighter version of the original color is **75.8364, 90.1504, 105.4992**, and **22.1001, 31.0803, 30.0336** is the 20% darker color. If you saturate the color by 10%, you get **42.4853, 59.6343, 56.7237**, and if you desaturate by 10%, it is **51.5485, 64.1179, 65.6754**.

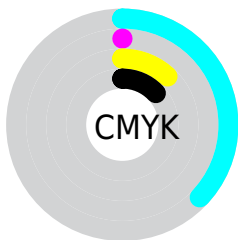
Distribution



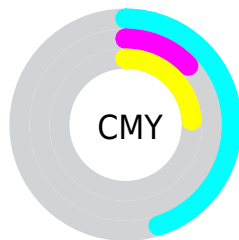
- Red (55%)
- Green (87%)
- Blue (76%)



- Red (55%)
- Yellow (74%)
- Blue (87%)



- Cyan (37%)
- Magenta (0%)
- Yellow (12%)
- Black (13%)





- Cyan (45%)
- Magenta (13%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6191, 61.6717, 61.0765 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 46.6191, 61.6717, 61.0765 by changing the saturation by 10% instead.

 46.6191, 61.6717,
61.0765


 46.6191, 61.6717,
61.0765


363.9664,
430.7326, 446.4688

 32.9413, 44.7675,
43.8560


 84.3670, 107.2509,
107.9483

 22.2405, 31.2743,
30.2209


 109.1678,
136.6947, 138.4366

 14.1513, 20.8078,
19.7529


138.4070,
171.0871, 174.1846

 8.3084, 12.9836,
12.0332

172.4500,
210.8125, 215.6109

 4.3464, 7.4173,
6.6435

211.6621,
256.2554, 263.1339

 1.8999, 3.7244,
3.1651

256.4086,

 0.5768, 1.5206,

307.8001, 317.1721

1.1796

307.0549,
365.8310, 378.1443

■ 0.0000, 0.3032,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.6191, 61.6717,
61.0765

■ 46.6191, 61.6717,
61.0765

■ 42.4853, 59.6343,
56.7237

■ 51.5485, 64.1179,
65.6754

■ 39.0955, 57.9745,
52.6078


■ 57.3110, 66.9872,
70.5210


■ 36.4002, 56.6681,
48.7247


■ 63.9475, 70.3025,
75.6193


■ 34.3410, 55.6853,
45.0688


■ 71.4951, 74.0827,
80.9748


 32.8498, 54.9911,
41.6338

 79.9883, 78.3456,
86.5918


 31.8353, 54.5383,
38.4123

 82.8444, 79.6976,
92.1647

 31.6098, 54.4397,
37.6035

 83.9292, 80.1315,
97.8771

 85.0571, 80.5827,
103.8164

 85.4124, 80.7248,
105.6875

Harmonies

Analogous

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



49.0869, 61.6717, 45.9466



46.6191, 61.6717, 61.0765



47.1685, 61.6717, 81.0985

Triad

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



46.6191, 61.6717, 61.0765



63.3042, 61.6717, 108.8442



67.3778, 61.6717, 42.1809

Complementary

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



46.6191, 61.6717, 61.0765



46.2419, 36.7496, 40.7351

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.



71.7827, 61.6717, 54.9002



46.6191, 61.6717, 61.0765



69.3072, 61.6717, 94.0408

Square

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



46.6191, 61.6717, 61.0765



56.4562, 61.6717, 111.3832



72.5150, 61.6717, 73.6133



60.8325, 61.6717, 36.5195

Rectangle

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



46.6191, 61.6717, 61.0765



49.1893, 61.6717, 94.5334



72.5150, 61.6717, 73.6133



69.1786, 61.6717, 45.6422

Sweetspot

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



46.6208, 61.6742, 61.0779



84.0381, 94.4889, 100.8968



46.6495, 62.2885, 33.9913



17.7198, 20.0907, 21.3913



0.0000, 0.0000, 0.0000



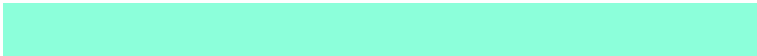
20.3446, 21.4041, 23.3091

Same Dimension

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



46.6208, 61.6742, 61.0779



59.2290, 82.1618, 78.8399



46.4308, 55.9584, 77.4641



13.9170, 15.4925, 16.5981



18.8278, 32.3560, 22.6143



1.3456, 2.2590, 1.7811

Inverse Universe

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



46.2419, 36.7496, 40.7351



58.6485, 43.2869, 47.1634



46.1503, 40.1233, 29.7393



13.8901, 13.7737, 15.1916



18.6377, 9.5221, 4.7581



1.3320, 0.6761, 0.5412

Previews

White Background



This preview shows how the XYZ color 46.6191, 61.6717, 61.0765 looks on a white background.

Color Contrast Check

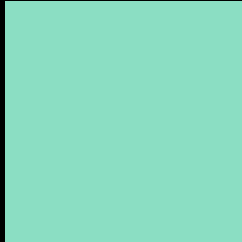
Large Text (above 18pt) WCAG AA × Fail

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 46.6191, 61.6717, 61.0765 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

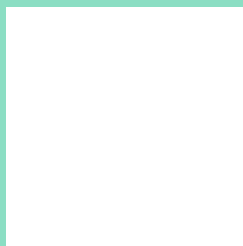
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6191, 61.6717, 61.0765

Background



This preview shows how black text looks on a background with the XYZ color 46.6191, 61.6717, 61.0765.



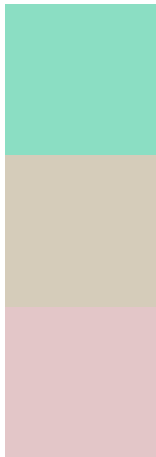
This preview shows how white text looks on a background with the XYZ color 46.6191, 61.6717,

61.0765.

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

46.6191, 61.6717, 61.0765

Protanopia

57.8964, 60.8770, 55.1534

Deuteranopia

62.2980, 60.8892, 63.1129



Tritanopia

51.6199, 61.3481, 86.9626

Trichromacy



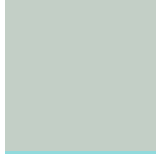
Original Color

46.6191, 61.6717, 61.0765



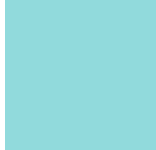
Protanomaly

52.7293, 60.7018, 57.0816



Deuteranomaly

55.0115, 60.3050, 62.1667



Tritanomaly

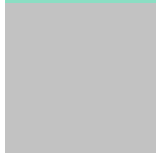
49.6667, 61.3299, 76.9303

Monochromacy



Original Color

46.6191, 61.6717, 61.0765



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.7860, 56.0794, 59.2921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6191, 61.6717, 61.0765 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(139, 222, 195)` looks like.

```
.text, #text, p{  
    color:rgb(139, 222, 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(139, 222, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 222, 195) }
```

Border

The CSS property to change the border of an element to XYZ 46.6191, 61.6717, 61.0765 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(139, 222, 195) }
```


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

```
.border{ border-color:rgb(139, 222, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 222, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 222, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 222, 195);  
box-shadow:4px 4px 4px 4px rgb(139, 222,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6191, 61.6717, 61.0765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 222, 195) }
```

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

```
.background{ background-color: rgb(139,  
222, 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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