

Converting Colors

XYZ(46.4465, 61.4587, 63.6692)

Have a look what the booklet for
XYZ(46.4465, 61.4587, 63.6692)
contains.

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Color

**XYZ(46.4218, 61.5170,
63.4601)**

Conversions

Conversions Part 1

Format	Color
Hex	87DEC7
RGB	135, 222, 199
RGB Percent	53%, 87%, 78%
CMY	0.4706, 0.1294, 0.2196
CMYK	0.39, 0.00, 0.10, 0.13
HSL	164°, 57%, 70%
HSV	164°, 39%, 87%
XYZ	46.4218, 61.5170, 63.4601
YIQ	193.3650, -44.4690, -25.5970

Conversions

Conversions Part 2

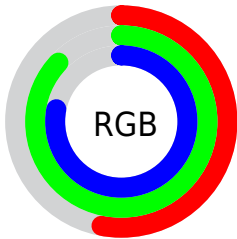
Format	Color
R_{YB}	135, 185, 222
Decimal	8904391
CIE _{Lab}	82.66, -31.48, 3.03
CIE _{LCh}	83, 31.627, 174.494
Yxy	61.5170, 0.2708, 0.3589
Android (android.graphics.Color)	4287094471 (0xFF87DEC7)
YUV	193.3650, 2.7781, -51.1861
Hunter-Lab	78.4328, -31.6090, 6.9313

Details

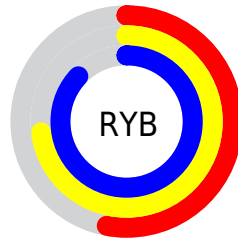
The XYZ color **46.4218, 61.5170, 63.4601** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.9619, 35.3279, 36.7995**, and the grayscale version is **50.9077, 53.5589, 58.3256**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **22.0553, 31.0222, 31.6135** is the 20% darker color. If you saturate the color by 10%, you get **42.5474, 59.5985, 59.7905**, and if you desaturate by 10%, it is **51.0707, 63.8349, 67.3058**.

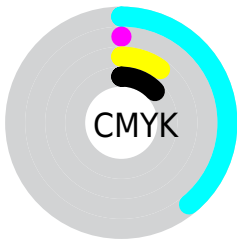
Distribution



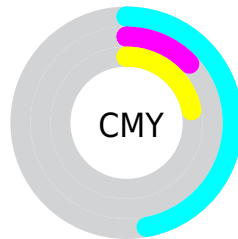
- Red (53%)
- Green (87%)
- Blue (78%)



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



- Cyan (39%)
- Magenta (0%)
- Yellow (10%)
- Black (13%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4218, 61.5170, 63.4601 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 46.4218, 61.5170, 63.4601 by changing the saturation by 10% instead.


 46.4218, 61.5170,
63.4601


 46.4218, 61.5170,
63.4601


363.1894,
430.1671, 455.3912


 32.7848, 44.6425,
45.7701


 84.0739, 107.0272,
111.4250

 22.1201, 31.1760,
31.7171


 108.8198,
136.4316, 142.5370

 14.0623, 20.7329,
20.8825


 137.9993,
170.7816, 178.9601

 8.2460, 12.9289,
12.8477

171.9778,
210.4614, 221.1129

 4.3059, 7.3796,
7.1943

211.1208,
255.8554, 269.4139

 1.8766, 3.7006,
3.5036

255.7934,

 0.5632, 1.5075,

307.3482, 324.2815

1.3572

306.3612,
365.3239, 386.1345

■ 0.0000, 0.2940,
0.1080

■ 0.0000, 0.0000,
0.0000

■ 46.4218, 61.5170,
63.4601

■ 46.4218, 61.5170,
63.4601

■ 42.5474, 59.5985,
59.7905

■ 51.0707, 63.8349,
67.3058

■ 39.3954, 58.0478,
56.2891

■ 56.5317, 66.5668,
71.3270

■ 36.9152, 56.8405,
52.9533

■ 62.8463, 69.7357,
75.5283

■ 35.0475, 55.9460,
49.7788

■ 70.0516, 73.3606,
79.9130

■ 33.7220, 55.3281,
46.7606

■ 78.1824, 77.4594,
84.4841

■ 32.8262, 54.9289,
43.8919

■ 82.2452, 79.4579,
89.0094

■ 32.7608, 54.9001,
43.6652

■ 83.1038, 79.8013,
93.5306

■ 83.9906, 80.1560,
98.2004

■ 84.9058, 80.5221,
103.0202

Harmonies

Analogous

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



48.4799, 61.5170, 47.5405



46.4218, 61.5170, 63.4601



47.3834, 61.5170, 83.6970

Triad

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



46.4218, 61.5170, 63.4601



64.0474, 61.5170, 107.0596



66.3791, 61.5170, 40.9375

Complementary

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



46.4218, 61.5170, 63.4601



44.9619, 35.3279, 36.7995

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.



71.1637, 61.5170, 52.6544



46.4218, 61.5170, 63.4601



69.7463, 61.5170, 91.1094

Square

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



46.4218, 61.5170, 63.4601



57.2272, 61.5170, 111.4801



72.4411, 61.5170, 70.6309



59.7308, 61.5170, 36.2495

Rectangle

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



46.4218, 61.5170, 63.4601



49.6489, 61.5170, 96.7273



72.4411, 61.5170, 70.6309



68.2786, 61.5170, 44.0603

Sweetspot

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



46.4235, 61.5195, 63.4615



83.3991, 94.1411, 101.6980



44.6364, 61.2838, 32.3992



17.6025, 20.0254, 21.6045



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.



46.4235, 61.5195, 63.4615



59.1373, 82.0279, 82.7493



44.2287, 52.5275, 76.9178



13.9538, 15.5072, 16.7917



19.5066, 32.6275, 26.1887



1.3884, 2.2761, 2.0065

Inverse Universe

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



44.9619, 35.3279, 36.7995



56.8849, 41.4138, 41.4760



46.2707, 40.8234, 28.3638



13.8553, 13.7597, 15.0081



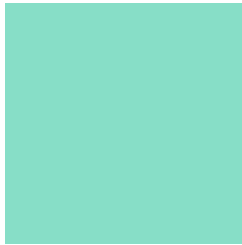
18.3966, 9.4257, 3.4885



1.3117, 0.6679, 0.4342

Previews

White Background



This preview shows how the XYZ color 46.4218, 61.5170, 63.4601 looks on a white background.

Color Contrast Check

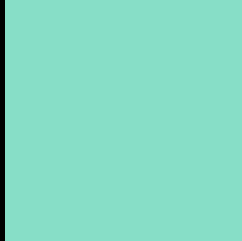
Large Text (above 18pt) WCAG AA × Fail

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 46.4218, 61.5170, 63.4601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

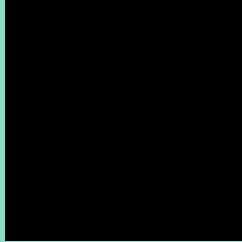
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

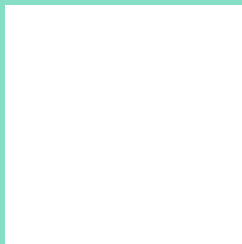
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4218, 61.5170, 63.4601

Background



This preview shows how black text looks on a background with the XYZ color 46.4218, 61.5170, 63.4601.

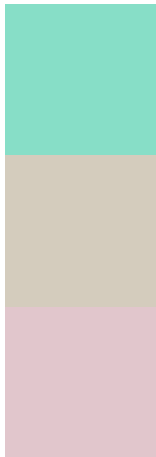


This preview shows how white text looks on a background with the XYZ color 46.4218, 61.5170,

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

46.4218, 61.5170, 63.4601

Protanopia

57.9296, 60.8569, 56.8375

Deuteranopia

62.1445, 60.7554, 65.5783



Tritanopia

51.1657, 61.4955, 87.0150

Trichromacy



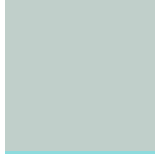
Original Color

46.4218, 61.5170, 63.4601



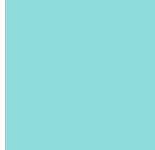
Protanomaly

52.6871, 60.6291, 59.3778



Deuteranomaly

54.7117, 60.0964, 64.5933



Tritanomaly

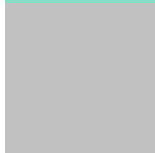
49.3672, 61.5462, 77.6843

Monochromacy



Original Color

46.4218, 61.5170, 63.4601



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.4564, 55.8965, 59.8649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4218, 61.5170, 63.4601 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(135, 222, 199)` looks like.

```
.text, #text, p{  
    color:rgb(135, 222, 199)  
}
```

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(135, 222, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 222, 199) }
```

Border

The CSS property to change the border of an element to XYZ 46.4218, 61.5170, 63.4601 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(135, 222, 199) }
```


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

```
.border{ border-color:rgb(135, 222, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 222, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 222, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 222, 199); box-shadow:4px 4px 4px 4px rgb(135, 222, 199) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4218, 61.5170, 63.4601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 222, 199) }
```

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

```
.background{ background-color: rgb(135,  
222, 199) }
```

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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