

Converting Colors

XYZ(46.4594, 58.5116, 60.4209)

Have a look what the booklet for
XYZ(46.4594, 58.5116, 60.4209)
contains.

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Color

**XYZ(46.4746, 58.5173,
60.4753)**

Conversions

Conversions Part 1

Format	Color
Hex	96D6C3
RGB	150, 214, 195
RGB Percent	59%, 84%, 76%
CMY	0.4118, 0.1608, 0.2353
CMYK	0.30, 0.00, 0.09, 0.16
HSL	162°, 44%, 71%
HSV	162°, 30%, 84%
XYZ	46.4746, 58.5173, 60.4753
YIQ	192.6980, -32.0450, -19.4770

Conversions

Conversions Part 2

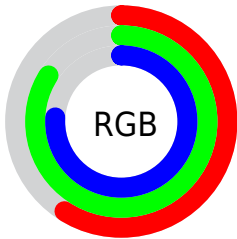
Format	Color
RYB	150, 188, 214
Decimal	9885379
CIELab	81.03, -24.30, 2.89
CIELCh	81, 24.475, 173.230
Yxy	58.5173, 0.2809, 0.3536
Android (android.graphics.Color)	4288075459 (0xFF96D6C3)
YUV	192.6980, 1.1349, -37.4461
Hunter-Lab	76.4966, -25.4235, 6.6752

Details

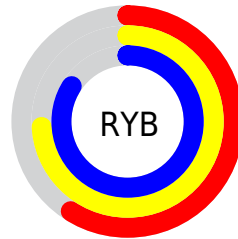
The XYZ color **46.4746, 58.5173, 60.4753** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.8014, 38.9750, 42.6474**, and the grayscale version is **50.5196, 53.1506, 57.8810**.

A 20% lighter version of the original color is **78.7843, 91.6701, 105.6372**, and **22.1356, 29.2607, 29.6805** is the 20% darker color. If you saturate the color by 10%, you get **42.1876, 56.3901, 56.6048**, and if you desaturate by 10%, it is **51.5146, 61.0323, 64.5432**.

Distribution



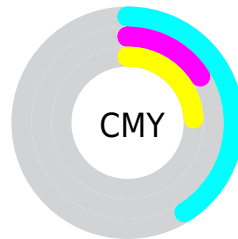
- Red (59%)
- Green (84%)
- Blue (76%)



- Red (59%)
- Yellow (74%)
- Blue (84%)



- Cyan (30%)
- Magenta (0%)
- Yellow (9%)
- Black (16%)





- Cyan (41%)
- Magenta (16%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4746, 58.5173, 60.4753 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 46.4746, 58.5173, 60.4753 by changing the saturation by 10% instead.


 46.4746, 58.5173,
60.4753


 46.4746, 58.5173,
60.4753


363.3975,
419.1108, 444.2007

 32.8267, 42.2247,
43.3741


 84.1524, 102.6758,
107.0690

 22.1523, 29.2773,
29.8451


 108.9129,
131.3104, 137.3984

 14.0861, 19.2907,
19.4700


138.1084,
164.8279, 172.9744

 8.2627, 11.8805,
11.8302

172.1042,
203.6125, 214.2154

 4.3167, 6.6624,
6.5070

211.2657,
248.0487, 261.5400

 1.8828, 3.2518,
3.0820

255.9581,

 0.5668, 1.2646,

298.5209, 315.3668

1.1367

306.5469,
355.4134, 376.1141

■ 0.0000, 0.1135,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.4746, 58.5173,
60.4753

■ 46.4746, 58.5173,
60.4753

■ 42.1876, 56.3901,
56.6048

■ 51.5146, 61.0323,
64.5432

■ 38.6092, 54.6231,
52.9238

■ 57.3392, 63.9466,
68.8081

■ 35.6976, 53.1964,
49.4297

■ 63.9843, 67.2803,
73.2748

■ 33.4047, 52.0853,
46.1181

■ 71.4820, 71.0498,
77.9467

■ 31.6756, 51.2615,
42.9845

■ 79.1212, 74.8886,
82.7924

■ 30.4452, 50.6915,
40.0236

■ 80.0135, 75.2456,
87.4912

■ 29.5975, 50.3155,
37.2280

■ 80.9385, 75.6156,
92.3622

■ 29.5902, 50.3122,
37.2026

■ 81.8965, 75.9988,
97.4071

■ 82.8879, 76.3953,
102.6278

Harmonies

Analogous

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



48.1576, 58.5173, 48.3981



46.4746, 58.5173, 60.4753



47.1195, 58.5173, 75.3949

Triad

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



46.4746, 58.5173, 60.4753



59.5601, 58.5173, 93.0244



61.6715, 58.5173, 43.8360

Complementary

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



46.4746, 58.5173, 60.4753



45.8014, 38.9750, 42.6474

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.



65.0835, 58.5173, 53.3090



46.4746, 58.5173, 60.4753



63.8137, 58.5173, 81.9650

Square

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



46.4746, 58.5173, 60.4753



54.4758, 58.5173, 95.7171



65.8904, 58.5173, 67.0692



56.7780, 58.5173, 39.7835

Rectangle

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



46.4746, 58.5173, 60.4753



48.8031, 58.5173, 84.8542



65.8904, 58.5173, 67.0692



63.0415, 58.5173, 46.4157

Sweetspot

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



46.4763, 58.5197, 60.4766



86.0271, 95.4730, 102.8524



45.9586, 58.7548, 37.7737



18.1217, 20.2890, 21.8104



0.0000, 0.0000, 0.0000



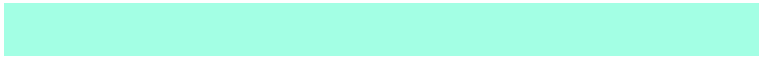
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4763, 58.5197, 60.4766



64.8733, 84.9149, 86.1837



45.6504, 53.2079, 71.4852



12.6278, 14.0421, 15.1203



17.9323, 30.4283, 22.7368



1.1172, 1.8495, 1.5587

Inverse Universe

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



45.8014, 38.9750, 42.6474



63.7169, 51.2631, 55.5134



46.3002, 42.6232, 34.6420



12.5735, 12.4809, 13.6941



17.3534, 8.8777, 3.8994



1.0828, 0.5499, 0.4255

Previews

White Background



This preview shows how the XYZ color 46.4746, 58.5173, 60.4753 looks on a white background.

Color Contrast Check

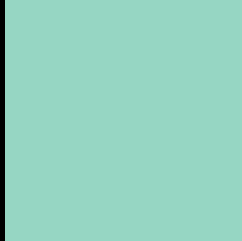
Large Text (above 18pt) WCAG AA × Fail

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 46.4746, 58.5173, 60.4753 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

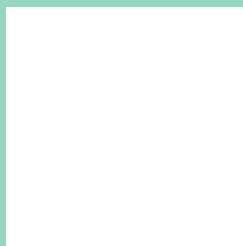
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4746, 58.5173, 60.4753

Background



This preview shows how black text looks on a background with the XYZ color 46.4746, 58.5173, 60.4753.



This preview shows how white text looks on a background with the XYZ color 46.4746, 58.5173,

60.4753.

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

46.4746, 58.5173, 60.4753

Protanopia

55.3560, 58.1618, 55.3225

Deuteranopia

59.1158, 57.9227, 62.0973



Tritanopia

50.4326, 58.2600, 80.5387

Trichromacy



Original Color

46.4746, 58.5173, 60.4753

Protanomaly

51.3753, 57.8195, 57.1677

Deuteranomaly

53.5854, 57.4526, 61.6913

Tritanomaly

48.8864, 58.3649, 72.9789

Monochromacy



Original Color

46.4746, 58.5173, 60.4753

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

48.7557, 55.0154, 59.0883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4746, 58.5173, 60.4753 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(150, 214, 195)` looks like.

```
.text, #text, p{  
    color:rgb(150, 214, 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(150, 214, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 214, 195) }
```

Border

The CSS property to change the border of an element to XYZ 46.4746, 58.5173, 60.4753 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(150, 214, 195) }
```


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

```
.border{ border-color:rgb(150, 214, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 214, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 214, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 214, 195);  
box-shadow:4px 4px 4px 4px rgb(150, 214,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4746, 58.5173, 60.4753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 214, 195) }
```

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

```
.background{ background-color: rgb(150,  
214, 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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