

Converting Colors

XYZ(31.2450, 46.1938, 35.9526)

Have a look what the booklet for
XYZ(31.2450, 46.1938, 35.9526)
contains.

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Color

**XYZ(31.1963, 46.1072,
36.1095)**

Conversions

Conversions Part 1

Format	Color
Hex	62C896
RGB	98, 200, 150
RGB Percent	38%, 78%, 59%
CMY	0.6157, 0.2157, 0.4118
CMYK	0.51, 0.00, 0.25, 0.22
HSL	151°, 48%, 58%
HSV	151°, 51%, 78%
XYZ	31.1963, 46.1072, 36.1095
YIQ	163.8020, -44.7420, -37.1740

Conversions

Conversions Part 2

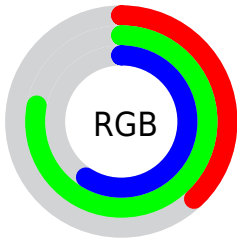
Format	Color
RYB	98, 166, 200
Decimal	6473878
CIELab	73.62, -41.37, 16.07
CIElCh	74, 44.385, 158.770
Yxy	46.1072, 0.2751, 0.4065
Android (android.graphics.Color)	4284663958 (0xFF62C896)
YUV	163.8020, -6.8044, -57.7084
Hunter-Lab	67.9023, -36.8209, 16.0020

Details

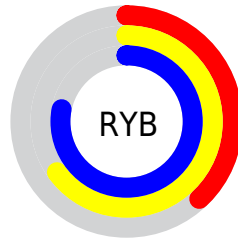
The XYZ color **31.1963, 46.1072, 36.1095** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.5339, 23.1539, 30.7205**, and the grayscale version is **35.2400, 37.0753, 40.3750**.

A 20% lighter version of the original color is **60.1767, 82.8482, 69.9464**, and **13.1405, 21.5450, 15.2704** is the 20% darker color. If you saturate the color by 10%, you get **28.5454, 44.8293, 32.0357**, and if you desaturate by 10%, it is **34.4549, 47.6932, 40.5586**.

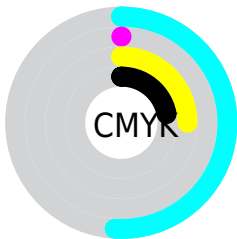
Distribution



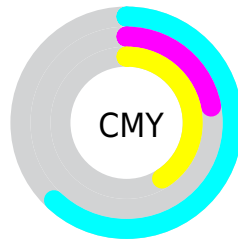
- Red (38%)
- Green (78%)
- Blue (59%)



- Red (38%)
- Yellow (65%)
- Blue (78%)



- Cyan (51%)
- Magenta (0%)
- Yellow (25%)
- Black (22%)



- Cyan (62%)
- Magenta (22%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1963, 46.1072, 36.1095 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 31.1963, 46.1072, 36.1095 by changing the saturation by 10% instead.

■ 31.1963, 46.1072,
36.1095

■ 31.1963, 46.1072,
36.1095

299.2524,
371.2395, 344.4908

■ 20.9009, 32.3304,
24.2284

■ 60.9227, 84.3794,
70.3720

■ 13.1637, 21.6140,
15.2894

■ 81.0845, 109.6436,
93.5905

■ 7.6191, 13.5736,
8.8739

■ 105.2658,
139.5058, 121.4252

■ 3.9020, 7.8247,
4.5633

■ 133.8320,
174.3503, 154.2946

■ 1.6468, 3.9830,
1.9392

167.1483,
214.5615, 192.6174

■ 0.4226, 1.6640,
0.5175

205.5803,

■ 0.0000, 0.4002,

260.5238, 236.8119

0.0000

249.4932,
312.6217, 287.2969

■ 0.0000, 0.0000,
0.0000

■ 31.1963, 46.1072,
36.1095

■ 31.1963, 46.1072,
36.1095

■ 28.5454, 44.8293,
32.0357

■ 34.4549, 47.6932,
40.5586

■ 26.4558, 43.8321,
28.3237

■ 38.3558, 49.6013,
45.3897

■ 24.8805, 43.0927,
24.9636

■ 42.9351, 51.8511,
50.6135

■ 23.7619, 42.5818,
21.9435

■ 48.2252, 54.4593,
56.2389

■ 23.0514, 42.2687,
19.5037

■ 54.2565, 57.4412,
62.2748

■ 61.0573, 60.8113,
68.7296

■ 68.6545, 64.5833,
75.6116

■ 75.9594, 68.1959,
82.8766

■ 77.3631, 68.7574,
90.2686

Harmonies

Analogous

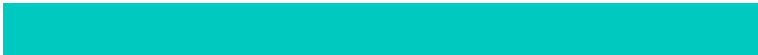
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.0280, 46.1072, 23.4619



31.1963, 46.1072, 36.1095



30.5246, 46.1072, 57.0928

Triad

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



31.1963, 46.1072, 36.1095



46.1675, 46.1072, 106.2503



56.6885, 46.1072, 27.6918

Complementary

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



31.1963, 46.1072, 36.1095



33.5339, 23.1539, 30.7205

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.



60.5134, 46.1072, 43.8909



31.1963, 46.1072, 36.1095



53.9804, 46.1072, 92.0539

Square

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



31.1963, 46.1072, 36.1095



38.5777, 46.1072, 102.2944



59.4672, 46.1072, 67.5556



49.5246, 46.1072, 19.7092

Rectangle

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



31.1963, 46.1072, 36.1095



31.8705, 46.1072, 74.0380



59.4672, 46.1072, 67.5556



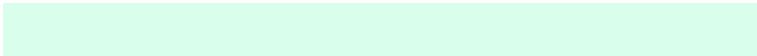
58.4440, 46.1072, 32.1259

Sweetspot

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



31.1975, 46.1091, 36.1106



79.4776, 92.3041, 93.1746



35.2548, 48.5819, 19.0750



16.5940, 19.5511, 19.4984



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.



31.1975, 46.1091, 36.1106



49.0661, 77.4426, 54.8762



36.1181, 48.0773, 62.0220



10.7193, 11.9766, 12.4722



14.7017, 26.8931, 12.6398



0.7327, 1.2880, 0.7909

Inverse Universe

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



33.5339, 23.1539, 30.7205



53.5516, 33.3920, 44.5427



30.3930, 21.8976, 14.1807



10.8469, 10.7222, 12.1772



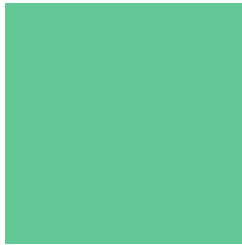
16.5933, 8.3869, 8.3341



0.8223, 0.4117, 0.5872

Previews

White Background



This preview shows how the XYZ color 31.1963, 46.1072, 36.1095 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 31.1963, 46.1072, 36.1095 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

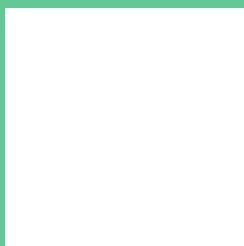
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1963, 46.1072, 36.1095

Background



This preview shows how black text looks on a background with the XYZ color 31.1963, 46.1072, 36.1095.



This preview shows how white text looks on a background with the XYZ color 31.1963, 46.1072,

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

31.1963, 46.1072, 36.1095

Protanopia

42.3396, 45.2100, 31.3058

Deuteranopia

46.3979, 45.4093, 37.7719



Tritanopia

37.1742, 45.8307, 66.5614

Trichromacy



Original Color

31.1963, 46.1072, 36.1095



Protanomaly

36.7090, 44.7224, 33.0831



Deuteranomaly

38.7026, 44.4156, 37.1051



Tritanomaly

34.6691, 45.8062, 54.0279

Monochromacy



Original Color

31.1963, 46.1072, 36.1095



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.7954, 39.5229, 38.7011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1963, 46.1072, 36.1095 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(98, 200, 150)` looks like.

```
.text, #text, p{  
    color:rgb(98, 200, 150)  
}
```

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(98, 200, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 200, 150) }
```

Border

The CSS property to change the border of an element to XYZ 31.1963, 46.1072, 36.1095 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(98, 200, 150) }
```


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

```
.border{ border-color:rgb(98, 200, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 200, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 200, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 200, 150);  
box-shadow:4px 4px 4px 4px rgb(98, 200,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1963, 46.1072, 36.1095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 200, 150) }
```

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

```
.background{ background-color: rgb(98, 200,  
150) }
```

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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