

Converting Colors

XYZ(31.0917, 46.1096, 30.9141)

Have a look what the booklet for
XYZ(31.0917, 46.1096, 30.9141)
contains.

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Color

**XYZ(31.1135, 46.1789,
30.9405)**

Conversions

Conversions Part 1

Format	Color
Hex	6AC889
RGB	106, 200, 137
RGB Percent	42%, 78%, 54%
CMY	0.5843, 0.2157, 0.4627
CMYK	0.47, 0.00, 0.32, 0.22
HSL	140°, 46%, 60%
HSV	140°, 47%, 78%
XYZ	31.1135, 46.1789, 30.9405
YIQ	164.7120, -35.8010, -39.5210

Conversions

Conversions Part 2

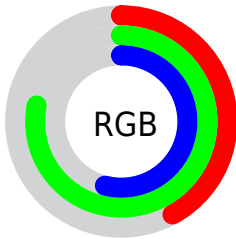
Format	Color
RYB	106, 177, 200
Decimal	6998153
CIELab	73.66, -41.88, 23.10
CIElCh	74, 47.827, 151.118
Yxy	46.1789, 0.2875, 0.4267
Android (android.graphics.Color)	4285188233 (0xFF6AC889)
YUV	164.7120, -13.6620, -51.4904
Hunter-Lab	67.9551, -37.1944, 20.5733

Details

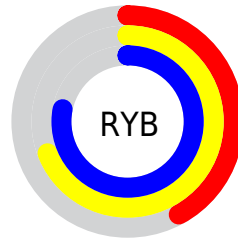
The XYZ color **31.1135, 46.1789, 30.9405** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **36.1364, 25.4530, 40.5461**, and the grayscale version is **35.7028, 37.5622, 40.9052**.

A 20% lighter version of the original color is **60.0643, 82.9630, 62.1380**, and **13.1123, 21.5919, 12.4934** is the 20% darker color. If you saturate the color by 10%, you get **28.1057, 44.7339, 26.0888**, and if you desaturate by 10%, it is **34.7975, 47.9612, 36.4495**.

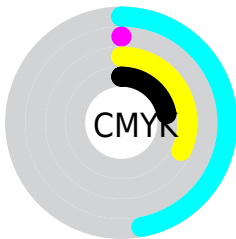
Distribution



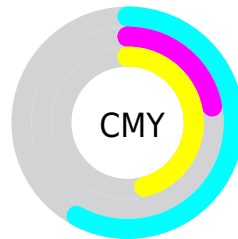
- Red (42%)
- Green (78%)
- Blue (54%)



- Red (42%)
- Yellow (69%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)





- Cyan (58%)
- Magenta (22%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1135, 46.1789, 30.9405 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 31.1135, 46.1789, 30.9405 by changing the saturation by 10% instead.


 31.1135, 46.1789,
30.9405


 31.1135, 46.1789,
30.9405


298.8784,
371.5274, 320.6068

 20.8375, 32.3870,
20.2955


 60.7933, 84.4867,
62.2249


 13.1171, 21.6573,
12.4238


 80.9279, 109.7714,
83.7013

 7.5868, 13.6053,
6.9070


 105.0795,
139.6558, 109.6252

 3.8813, 7.8467,
3.3264

 133.6133,
174.5243, 140.4152

 1.6352, 3.9970,
1.2636

166.8947,
214.7613, 176.4898

 0.4152, 1.6719,
0.0317

205.2892,

 0.0000, 0.4053,

260.7512, 218.2676

0.0000

249.1619,
312.8785, 266.1671

■ 0.0000, 0.0000,
0.0000

■ 31.1135, 46.1789,
30.9405

■ 31.1135, 46.1789,
30.9405

■ 28.1057, 44.7339,
26.0888

■ 34.7975, 47.9612,
36.4495

■ 25.7270, 43.5986,
21.8664

■ 39.1934, 50.0951,
42.6362

■ 23.9297, 42.7503,
18.2480


■ 44.3389, 52.6005,
49.5238


■ 22.6574, 42.1604,
15.2051


■ 50.2678, 55.4947,
57.1336


■ 21.8351, 41.7910,
12.7066


■ 57.0118, 58.7935,
65.4858

 21.6373, 41.7032,
12.0569

 64.6007, 62.5118,
74.6000

 73.0630, 66.6641,
84.4950

 78.2606, 69.1165,
94.9940

 79.9452, 69.7903,
103.8651

Harmonies

Analogous

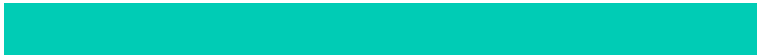
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.9973, 46.1789, 19.9758



31.1135, 46.1789, 30.9405



29.5322, 46.1789, 51.1972

Triad

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



31.1135, 46.1789, 30.9405



44.2104, 46.1789, 112.8618



59.3723, 46.1789, 29.8133

Complementary

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



31.1135, 46.1789, 30.9405



36.1364, 25.4530, 40.5461

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.



62.2828, 46.1789, 49.3757



31.1135, 46.1789, 30.9405



52.8633, 46.1789, 101.7505

Square

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



31.1135, 46.1789, 30.9405



36.4820, 46.1789, 103.2145



59.7621, 46.1789, 76.3583



52.2422, 46.1789, 19.4877

Rectangle

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



31.1135, 46.1789, 30.9405



30.3781, 46.1789, 69.0392



59.7621, 46.1789, 76.3583



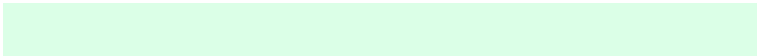
60.9149, 46.1789, 35.2713

Sweetspot

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



31.1147, 46.1808, 30.9415



79.4979, 92.4003, 89.3007



39.8855, 50.9234, 21.3631



16.5563, 19.5533, 18.5164



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.



31.1147, 46.1808, 30.9415



48.7511, 77.4913, 45.3223



35.1225, 47.7839, 52.0464



10.6393, 11.9446, 12.0508



13.7944, 26.5301, 7.8618



0.6868, 1.2697, 0.5495

Inverse Universe

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



36.1364, 25.4530, 40.5461



58.4300, 37.4420, 63.7618



32.5645, 24.0242, 21.7370



10.9286, 10.7548, 12.6074



17.9260, 8.9200, 15.3522



0.8812, 0.4353, 0.8977

Previews

White Background



This preview shows how the XYZ color 31.1135, 46.1789, 30.9405 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 31.1135, 46.1789, 30.9405 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

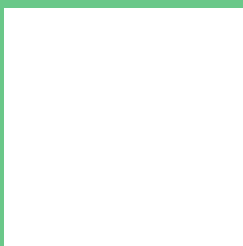
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1135, 46.1789, 30.9405

Background



This preview shows how black text looks on a background with the XYZ color 31.1135, 46.1789, 30.9405.



This preview shows how white text looks on a background with the XYZ color 31.1135, 46.1789,

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

31.1135, 46.1789, 30.9405

Protanopia

42.4657, 45.6704, 26.9992

Deuteranopia

46.4798, 45.5719, 32.3331



Tritanopia

38.0617, 45.9776, 65.9000

Trichromacy



Original Color

31.1135, 46.1789, 30.9405



Protanomaly

36.7673, 44.8607, 28.1939



Deuteranomaly

38.7545, 44.5607, 31.7578



Tritanomaly

35.0714, 45.7429, 51.2368

Monochromacy



Original Color

31.1135, 46.1789, 30.9405



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.3384, 40.1366, 37.0004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1135, 46.1789, 30.9405 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(106, 200, 137)` looks like.

```
.text, #text, p{  
    color:rgb(106, 200, 137)  
}
```

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(106, 200, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 200, 137) }
```

Border

The CSS property to change the border of an element to XYZ 31.1135, 46.1789, 30.9405 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(106, 200, 137) }
```


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

```
.border{ border-color:rgb(106, 200, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 200, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 200, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 200, 137);  
box-shadow:4px 4px 4px 4px rgb(106, 200,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1135, 46.1789, 30.9405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 200, 137) }
```

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

```
.background{ background-color: rgb(106,  
200, 137) }
```

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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