

Converting Colors

XYZ(27.1308, 33.2970, 45.8278)

Have a look what the booklet for
XYZ(27.1308, 33.2970, 45.8278)
contains.

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Color

**XYZ(27.1816, 33.3501,
46.0789)**

Conversions

Conversions Part 1

Format	Color
Hex	68A6B0
RGB	104, 166, 176
RGB Percent	41%, 65%, 69%
CMY	0.5921, 0.3490, 0.3098
CMYK	0.41, 0.06, 0.00, 0.31
HSL	188°, 31%, 55%
HSV	188°, 41%, 69%
XYZ	27.1816, 33.3501, 46.0789
YIQ	148.6020, -40.1620, -10.0340

Conversions

Conversions Part 2

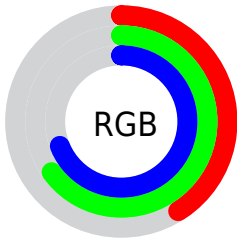
Format	Color
RYB	104, 137, 176
Decimal	6858416
CIELab	64.44, -17.32, -11.46
CIELCh	64, 20.768, 213.494
Yxy	33.3501, 0.2550, 0.3128
Android (android.graphics.Color)	4285048496 (0xFF68A6B0)
YUV	148.6020, 13.5072, -39.1160
Hunter-Lab	57.7495, -17.0452, -6.8834

Details

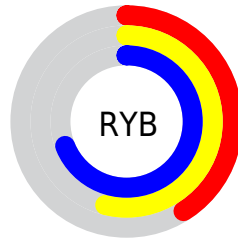
The XYZ color **27.1816, 33.3501, 46.0789** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.4210, 22.2646, 16.0024**, and the grayscale version is **28.3580, 29.8349, 32.4902**.

A 20% lighter version of the original color is **54.5225, 64.8082, 85.9795**, and **10.9708, 14.1680, 21.2253** is the 20% darker color. If you saturate the color by 10%, you get **24.9082, 31.5256, 45.8471**, and if you desaturate by 10%, it is **29.8918, 35.4139, 46.3350**.

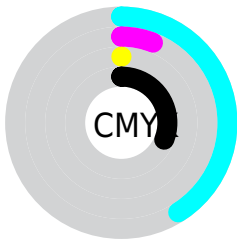
Distribution



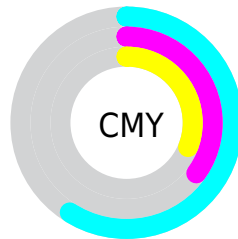
- Red (41%)
- Green (65%)
- Blue (69%)



- Red (41%)
- Yellow (54%)
- Blue (69%)



- Cyan (41%)
- Magenta (6%)
- Yellow (0%)
- Black (31%)



- Cyan (59%)
- Magenta (35%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1816, 33.3501, 46.0789 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 27.1816, 33.3501, 46.0789 by changing the saturation by 10% instead.

■ 27.1816, 33.3501,
46.0789

■ 27.1816, 33.3501,
46.0789

280.6869,
317.2244, 387.4126

■ 17.8469, 22.3948,
31.9590

■ 54.5930, 64.9217,
85.6726

■ 10.9392, 14.1473,
21.0656

■ 73.4004, 86.3068,
111.9834

■ 6.0929, 8.2232,
12.9803

■ 96.0961, 111.9373,
143.1950

■ 2.9429, 4.2381,
7.2844

■ 123.0455,
142.1976, 179.7258

■ 1.1236, 1.8076,
3.5594

154.6140,
177.4720, 221.9945

■ 0.0447, 0.4919,
1.3869

191.1667,

■ 0.0000, 0.0000,

218.1451, 270.4194

0.1315

233.0693,
264.6010, 325.4193

■ 0.0000, 0.0000,
0.0000

■ 27.1816, 33.3501,
46.0789

■ 27.1816, 33.3501,
46.0789

■ 24.9082, 31.5256,
45.8471

■ 29.8918, 35.4139,
46.3350

■ 23.0418, 29.9226,
45.6361

■ 33.0604, 37.7258,
46.6142

■ 21.5537, 28.5269,
45.4451

■ 36.7108, 40.2988,
46.9185

■ 20.4098, 27.3211,
45.2727

■ 40.8642, 43.1439,
47.2487

■ 19.5701, 26.2844,
45.1168

■ 45.5406, 46.2713,
47.6059

■ 18.9936, 25.4487,
44.9859

■ 50.7585, 49.6908,
47.9909

■ 56.5359, 53.4116,
48.4046

■ 62.8898, 57.4427,
48.8478

■ 67.0597, 60.3609,
49.1913

Harmonies

Analogous

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



26.3462, 33.3501, 37.3158



27.1816, 33.3501, 46.0789



29.2236, 33.3501, 52.9538

Triad

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



27.1816, 33.3501, 46.0789



37.0735, 33.3501, 44.0900



31.3524, 33.3501, 22.3429

Complementary

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



27.1816, 33.3501, 46.0789



26.4210, 22.2646, 16.0024

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.



34.3088, 33.3501, 23.5836



27.1816, 33.3501, 46.0789



37.7301, 33.3501, 35.3275

Square

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



27.1816, 33.3501, 46.0789



34.9465, 33.3501, 51.6856



36.6895, 33.3501, 28.0340



28.6578, 33.3501, 24.3370

Rectangle

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



27.1816, 33.3501, 46.0789



31.0573, 33.3501, 55.0507



36.6895, 33.3501, 28.0340



32.3480, 33.3501, 22.3970

Sweetspot

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



27.1826, 33.3514, 46.0797



65.6673, 72.4526, 85.0190



24.2495, 35.2002, 21.3175



14.0430, 15.5702, 18.4095



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



27.1826, 33.3514, 46.0797



45.5721, 57.5045, 83.1929



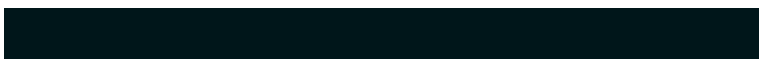
21.5821, 22.1504, 44.2128



8.6401, 9.4263, 10.8704



13.9676, 18.7357, 33.0172



0.4670, 0.6446, 1.0480

Inverse Universe

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



29.7386, 21.8847, 38.7346



50.9622, 34.3226, 67.4795



31.2465, 31.9156, 17.6109



8.7983, 8.6260, 10.4361



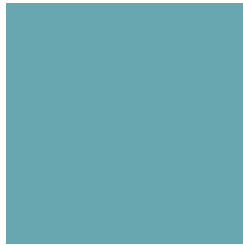
17.2849, 8.4315, 22.4579



0.5578, 0.2709, 0.7799

Previews

White Background



This preview shows how the XYZ color 27.1816, 33.3501, 46.0789 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 27.1816, 33.3501, 46.0789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

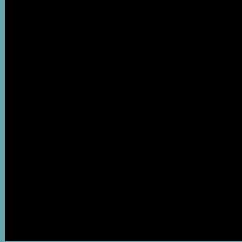
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.1816, 33.3501, 46.0789

Background



This preview shows how black text looks on a background with the XYZ color 27.1816, 33.3501, 46.0789.



This preview shows how white text looks on a background with the XYZ color 27.1816, 33.3501,

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

27.1816, 33.3501, 46.0789

Protanopia

32.2092, 33.1773, 42.2424

Deuteranopia

33.8621, 33.1847, 47.2684



Tritanopia

27.5986, 33.5304, 47.6652

Trichromacy



Original Color

27.1816, 33.3501, 46.0789

Protanomaly

29.9979, 33.0091, 43.8201

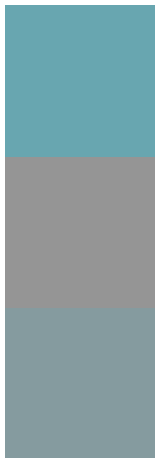
Deuteranomaly

30.9081, 32.9037, 46.8415

Tritanomaly

27.4978, 33.4900, 47.1344

Monochromacy



Original Color

27.1816, 33.3501, 46.0789

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

27.6522, 30.9324, 37.3140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1816, 33.3501, 46.0789 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(104, 166, 176)` looks like.

```
.text, #text, p{  
    color:rgb(104, 166, 176)  
}
```

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(104, 166, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 166, 176) }
```

Border

The CSS property to change the border of an element to XYZ 27.1816, 33.3501, 46.0789 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(104, 166, 176) }
```


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

```
.border{ border-color:rgb(104, 166, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 166, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 166, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 166, 176);  
box-shadow:4px 4px 4px 4px rgb(104, 166,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1816, 33.3501, 46.0789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 166, 176) }
```

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

```
.background{ background-color: rgb(104,  
166, 176) }
```

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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