

Converting Colors

XYZ(27.8964, 33.9497, 46.3850)

Have a look what the booklet for
XYZ(27.8964, 33.9497, 46.3850)
contains.

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Color

**XYZ(27.8395, 33.9602,
46.1620)**

Conversions

Conversions Part 1

Format	Color
Hex	6CA7B0
RGB	108, 167, 176
RGB Percent	42%, 65%, 69%
CMY	0.5765, 0.3451, 0.3098
CMYK	0.39, 0.05, 0.00, 0.31
HSL	188°, 30%, 56%
HSV	188°, 39%, 69%
XYZ	27.8395, 33.9602, 46.1620
YIQ	150.3850, -38.0530, -9.7090

Conversions

Conversions Part 2

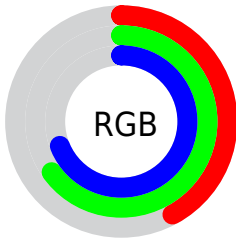
Format	Color
RYB	108, 140, 176
Decimal	7120816
CIELab	64.93, -16.78, -10.71
CIELCh	65, 19.911, 212.543
Yxy	33.9602, 0.2579, 0.3146
Android (android.graphics.Color)	4285310896 (0xFF6CA7B0)
YUV	150.3850, 12.6282, -37.1716
Hunter-Lab	58.2754, -16.7083, -6.1729

Details

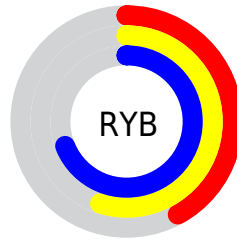
The XYZ color **27.8395, 33.9602, 46.1620** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.9730, 23.0357, 17.2127**, and the grayscale version is **29.1134, 30.6295, 33.3556**.

A 20% lighter version of the original color is **55.5871, 65.7501, 86.1052**, and **11.3444, 14.5289, 21.2752** is the 20% darker color. If you saturate the color by 10%, you get **25.4887, 32.1214, 45.9316**, and if you desaturate by 10%, it is **30.6321, 36.0398, 46.4168**.

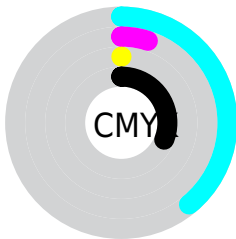
Distribution



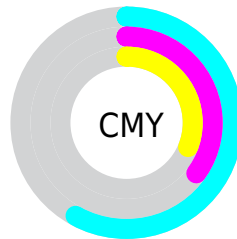
- Red (42%)
- Green (65%)
- Blue (69%)



- Red (42%)
- Yellow (55%)
- Blue (69%)



- Cyan (39%)
- Magenta (5%)
- Yellow (0%)
- Black (31%)



- Cyan (58%)
- Magenta (35%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8395, 33.9602, 46.1620 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 27.8395, 33.9602, 46.1620 by changing the saturation by 10% instead.

■ 27.8395, 33.9602,
46.1620

■ 27.8395, 33.9602,
46.1620

283.7932,
319.9545, 387.7560

■ 18.3445, 22.8630,
32.0241

■ 55.6385, 65.8718,
85.7982

■ 11.2988, 14.4924,
21.1149

■ 74.6733, 87.4550,
112.1336

■ 6.3370, 8.4639,
13.0160

■ 97.6188, 113.3023,
143.3719

■ 3.0936, 4.3932,
7.3087

■ 124.8402,
143.7981, 179.9317

■ 1.2035, 1.8959,
3.5745

156.7030,
179.3269, 222.2314

■ 0.1091, 0.5459,
1.3950

193.5725,

■ 0.0000, 0.0000,

220.2729, 270.6897

0.1378

235.8142,
267.0207, 325.7251

■ 0.0000, 0.0000,
0.0000

■ 27.8395, 33.9602,
46.1620

■ 27.8395, 33.9602,
46.1620

■ 25.4887, 32.1214,
45.9316

■ 30.6321, 36.0398,
46.4168

■ 23.5505, 30.5059,
45.7219

■ 33.8875, 38.3686,
46.6947

■ 21.9969, 29.0999,
45.5324

■ 37.6289, 40.9595,
46.9976

■ 20.7949, 27.8864,
45.3615

■ 41.8772, 43.8233,
47.3265

■ 19.9062, 26.8456,
45.2075

■ 46.6519, 46.9701,
47.6822

■ 19.2627, 25.9422,
45.0670

■ 51.9716, 50.4095,
48.0657

■ 19.1807, 25.8228,
45.0483

■ 57.8539, 54.1507,
48.4778

■ 64.3155, 58.2024,
48.9193

■ 67.0521, 60.3456,
49.1887

Harmonies

Analogous

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



27.0654, 33.9602, 37.6835



27.8395, 33.9602, 46.1620



29.7962, 33.9602, 52.8763

Triad

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



27.8395, 33.9602, 46.1620



37.4352, 33.9602, 44.7662



32.0336, 33.9602, 23.3106

Complementary

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



27.8395, 33.9602, 46.1620



26.9730, 23.0357, 17.2127

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.



34.8943, 33.9602, 24.6344



27.8395, 33.9602, 46.1620



38.1206, 33.9602, 36.2791

Square

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



27.8395, 33.9602, 46.1620



35.3435, 33.9602, 51.9900



37.1652, 33.9602, 29.0989



29.3954, 33.9602, 25.1739

Rectangle

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



27.8395, 33.9602, 46.1620



31.5661, 33.9602, 54.9973



37.1652, 33.9602, 29.0989



33.0008, 33.9602, 23.3977

Sweetspot

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



27.8405, 33.9615, 46.1628



65.7162, 72.5504, 85.0353



24.8588, 35.4989, 22.0451



14.0547, 15.5936, 18.4134



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.



27.8405, 33.9615, 46.1628



46.9506, 58.8364, 83.3773



22.5558, 23.3921, 44.4012



8.6449, 9.4359, 10.8720



14.1037, 19.0077, 33.0625



0.4702, 0.6510, 1.0491

Inverse Universe

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



30.2429, 22.7460, 39.3572



52.0058, 36.0718, 68.8694



31.5076, 32.1050, 18.7243



8.8007, 8.6270, 10.4488



17.3535, 8.4590, 22.8195



0.5594, 0.2715, 0.7883

Previews

White Background



This preview shows how the XYZ color 27.8395, 33.9602, 46.1620 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 27.8395, 33.9602, 46.1620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

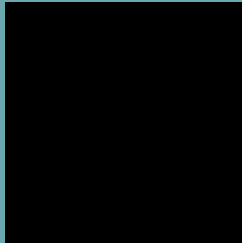
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.8395, 33.9602, 46.1620

Background



This preview shows how black text looks on a background with the XYZ color 27.8395, 33.9602, 46.1620.

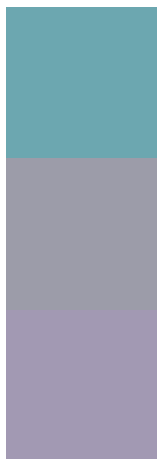


This preview shows how white text looks on a background with the XYZ color 27.8395, 33.9602,

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

27.8395, 33.9602, 46.1620

Protanopia

32.7602, 33.7094, 42.3160

Deuteranopia

34.4282, 33.7185, 47.3416



Tritanopia

28.1811, 33.8189, 48.2224

Trichromacy



Original Color

27.8395, 33.9602, 46.1620

Protanomaly

30.6647, 33.6091, 43.9007

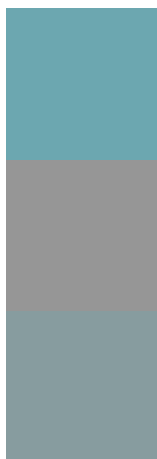
Deuteranomaly

31.4181, 33.4189, 46.9141

Tritanomaly

28.0796, 33.7783, 47.6877

Monochromacy



Original Color

27.8395, 33.9602, 46.1620

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.1381, 31.4310, 37.3846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8395, 33.9602, 46.1620 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(108, 167, 176)` looks like.

```
.text, #text, p{  
    color:rgb(108, 167, 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(108, 167, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 167, 176) }
```

Border

The CSS property to change the border of an element to XYZ 27.8395, 33.9602, 46.1620 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(108, 167, 176) }
```


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

```
.border{ border-color:rgb(108, 167, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 167, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 167, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 167, 176);  
box-shadow:4px 4px 4px 4px rgb(108, 167,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8395, 33.9602, 46.1620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 167, 176) }
```

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

```
.background{ background-color: rgb(108,  
167, 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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