

Converting Colors

XYZ(27.4909, 36.2999, 46.6060)

Have a look what the booklet for
XYZ(27.4909, 36.2999, 46.6060)
contains.

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Color

**XYZ(27.4816, 36.3091,
46.6342)**

Conversions

Conversions Part 1

Format	Color
Hex	59B0B0
RGB	89, 176, 176
RGB Percent	35%, 69%, 69%
CMY	0.6510, 0.3098, 0.3098
CMYK	0.49, 0.00, 0.00, 0.31
HSL	180°, 36%, 52%
HSV	180°, 49%, 69%
XYZ	27.4816, 36.3091, 46.6342
YIQ	149.9870, -51.8520, -18.4440

Conversions

Conversions Part 2

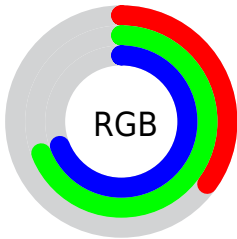
Format	Color
RYB	89, 133, 176
Decimal	5877936
CIELab	66.76, -26.08, -8.08
CIELCh	67, 27.300, 197.206
Yxy	36.3091, 0.2489, 0.3288
Android (android.graphics.Color)	4284068016 (0xFF59B0B0)
YUV	149.9870, 12.8244, -53.4856
Hunter-Lab	60.2570, -24.0408, -3.7059

Details

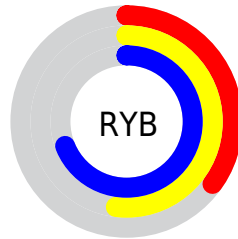
The XYZ color **27.4816, 36.3091, 46.6342** is a light color, and the websafe version is hex **339999**. A complement of this color would be **23.2813, 17.0972, 11.5254**, and the grayscale version is **28.9479, 30.4555, 33.1660**.

A 20% lighter version of the original color is **55.0992, 69.5592, 86.8662**, and **11.1220, 15.8278, 21.5377** is the 20% darker color. If you saturate the color by 10%, you get **25.9907, 35.5414, 46.5650**, and if you desaturate by 10%, it is **29.3784, 37.2878, 46.7240**.

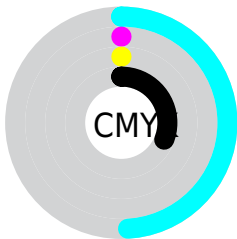
Distribution



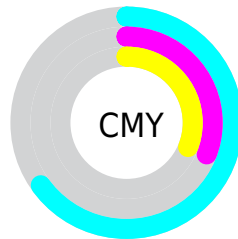
- Red (35%)
- Green (69%)
- Blue (69%)



- Red (35%)
- Yellow (52%)
- Blue (69%)



- Cyan (49%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)



- Cyan (65%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4816, 36.3091, 46.6342 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 27.4816, 36.3091, 46.6342 by changing the saturation by 10% instead.

■ 27.4816, 36.3091,
46.6342

■ 27.4816, 36.3091,
46.6342

282.1067,
330.3096, 389.7039

■ 18.0737, 24.6730,
32.3943

■ 55.0702, 69.5089,
86.5116

■ 11.1029, 15.8336,
21.3955

■ 73.9816, 91.8414,
112.9862

■ 6.2039, 9.4065,
13.2194

■ 96.7915, 118.5081,
144.3760

■ 3.0113, 5.0073,
7.4473

■ 123.8653,
149.8935, 181.0998

■ 1.1597, 2.2515,
3.6607

155.5684,
186.3820, 223.5759

■ 0.0742, 0.7479,
1.4411

192.2661,

■ 0.0000, 0.0000,

228.3579, 272.2229

0.1735

234.3237,
276.2056, 327.4594

■ 0.0000, 0.0000,
0.0000

■ 27.4816, 36.3091,
46.6342

■ 27.4816, 36.3091,
46.6342

■ 25.9907, 35.5414,
46.5650

■ 29.3784, 37.2878,
46.7240

■ 24.8732, 34.9653,
46.5126

■ 31.7043, 38.4868,
46.8330

■ 24.0971, 34.5652,
46.4760

■ 34.4844, 39.9200,
46.9633

■ 23.6232, 34.3209,
46.4537

■ 37.7411, 41.5989,
47.1159

■ 23.3749, 34.1929,
46.4419

■ 41.4953, 43.5343,
47.2918

■ 23.3623, 34.1864,
46.4413

■ 45.7666, 45.7362,
47.4919

■ 50.5735, 48.2142,
47.7170

■ 55.9337, 50.9775,
47.9680

■ 61.8641, 54.0347,
48.2458

Harmonies

Analogous

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



27.3462, 36.3091, 34.7192



27.4816, 36.3091, 46.6342



29.4028, 36.3091, 58.6336

Triad

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



27.4816, 36.3091, 46.6342



40.6577, 36.3091, 57.0416



36.2953, 36.3091, 21.2774

Complementary

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



27.4816, 36.3091, 46.6342



23.2813, 17.0972, 11.5254

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.



40.1784, 36.3091, 25.1111



27.4816, 36.3091, 46.6342



42.8286, 36.3091, 44.7755

Square

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



27.4816, 36.3091, 46.6342



36.9080, 36.3091, 65.4147



42.6465, 36.3091, 33.1945



32.2195, 36.3091, 21.5780

Rectangle

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



27.4816, 36.3091, 46.6342



31.5311, 36.3091, 64.3619



42.6465, 36.3091, 33.1945



37.6724, 36.3091, 22.0872

Sweetspot

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



27.4827, 36.3105, 46.6351



64.8956, 73.6129, 85.2831



21.5900, 33.9696, 14.8709



13.8082, 15.8213, 18.4702



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.



27.4827, 36.3105, 46.6351



46.9961, 64.3854, 84.4439



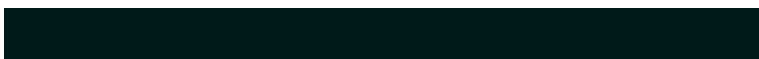
20.4756, 22.2960, 44.3002



8.7427, 9.6316, 10.9046



17.1407, 25.0823, 34.0736



0.5393, 0.7892, 1.0721

Inverse Universe

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



23.2813, 17.0972, 11.5254



38.5088, 25.5726, 13.5191



27.8320, 26.1987, 13.0419



8.4964, 8.5053, 8.8464



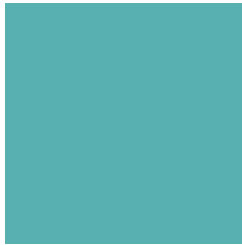
13.1369, 6.7723, 0.6149



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 27.4816, 36.3091, 46.6342 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 27.4816, 36.3091, 46.6342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

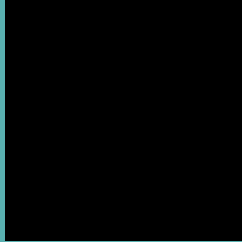
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.4816, 36.3091, 46.6342

Background



This preview shows how black text looks on a background with the XYZ color 27.4816, 36.3091, 46.6342.

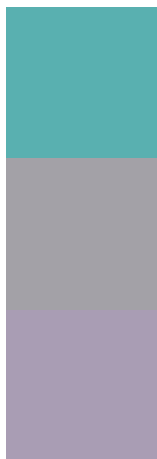


This preview shows how white text looks on a background with the XYZ color 27.4816, 36.3091,

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

27.4816, 36.3091, 46.6342

Protanopia

34.8242, 36.0663, 41.6853

Deuteranopia

36.6574, 35.8442, 48.1666



Tritanopia

28.7274, 36.2301, 53.0560

Trichromacy



Original Color

27.4816, 36.3091, 46.6342

Protanomaly

31.0453, 35.4090, 43.2286

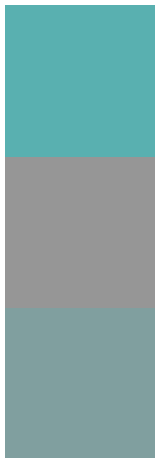
Deuteranomaly

32.2274, 35.3810, 47.7785

Tritanomaly

28.3953, 36.3959, 50.8759

Monochromacy



Original Color

27.4816, 36.3091, 46.6342

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

27.5582, 31.8887, 37.5035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4816, 36.3091, 46.6342 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(89, 176, 176)` looks like.

```
.text, #text, p{  
    color:rgb(89, 176, 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(89, 176, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 176, 176) }
```

Border

The CSS property to change the border of an element to XYZ 27.4816, 36.3091, 46.6342 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(89, 176, 176) }
```


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

```
.border{ border-color:rgb(89, 176, 176) }
```

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

Here you see how a box with a 4 pixel rgb(89, 176, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 176, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 176, 176);  
box-shadow:4px 4px 4px 4px rgb(89, 176,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4816, 36.3091, 46.6342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 176, 176) }
```

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

```
.background{ background-color: rgb(89, 176,  
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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