

Converting Colors

XYZ(28.6915, 39.0421, 46.0742)

Have a look what the booklet for
XYZ(28.6915, 39.0421, 46.0742)
contains.

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Color

**XYZ(28.6933, 39.0468,
46.0689)**

Conversions

Conversions Part 1

Format	Color
Hex	59B7AE
RGB	89, 183, 174
RGB Percent	35%, 72%, 68%
CMY	0.6510, 0.2823, 0.3176
CMYK	0.51, 0.00, 0.05, 0.28
HSL	174°, 39%, 53%
HSV	174°, 51%, 72%
XYZ	28.6933, 39.0468, 46.0689
YIQ	153.8680, -53.1350, -22.7270

Conversions

Conversions Part 2

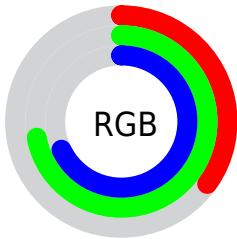
Format	Color
R_{YB}	89, 138, 183
Decimal	5879726
CIE _{Lab}	68.79, -30.04, -3.96
CIE _{LCh}	69, 30.298, 187.518
Yxy	39.0468, 0.2521, 0.3431
Android (android.graphics.Color)	4284069806 (0xFF59B7AE)
YUV	153.8680, 9.9251, -56.8892
Hunter-Lab	62.4874, -27.3885, 0.0296

Details

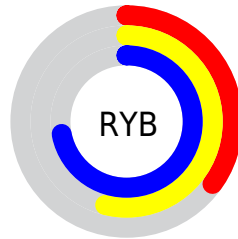
The XYZ color **28.6933, 39.0468, 46.0689** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.3068, 18.0950, 13.7156**, and the grayscale version is **30.6329, 32.2281, 35.0965**.

A 20% lighter version of the original color is **56.8634, 73.5011, 85.3189**, and **11.8488, 17.5526, 21.1758** is the 20% darker color. If you saturate the color by 10%, you get **26.9813, 38.1848, 45.1035**, and if you desaturate by 10%, it is **30.8463, 40.1378, 47.0683**.

Distribution



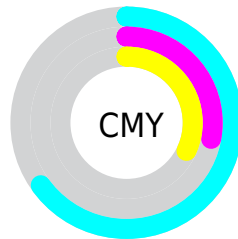
- Red (35%)
- Green (72%)
- Blue (68%)



- Red (35%)
- Yellow (54%)
- Blue (72%)



- Cyan (51%)
- Magenta (0%)
- Yellow (5%)
- Black (28%)



- Cyan (65%)
- Magenta (28%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6933, 39.0468, 46.0689 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 28.6933, 39.0468, 46.0689 by changing the saturation by 10% instead.

■ 28.6933, 39.0468,
46.0689

■ 28.6933, 39.0468,
46.0689

287.7855,
342.0894, 387.3712

■ 18.9920, 26.7961,
31.9511

■ 56.9904, 73.7098,
85.6575

■ 11.7685, 17.4202,
21.0597

■ 76.3169, 96.8909,
111.9654

■ 6.6573, 10.5345,
12.9760

■ 99.5826, 124.4844,
143.1737

■ 3.2931, 5.7548,
7.2815

■ 127.1528,
156.8744, 179.7011

■ 1.3106, 2.6965,
3.5576

159.3928,
194.4456, 221.9659

■ 0.1911, 0.9754,
1.3859

196.6680,

■ 0.0000, 0.0000,

237.5822, 270.3869

0.1307

239.3438,
286.6687, 325.3825

■ 0.0000, 0.0000,
0.0000

■ 28.6933, 39.0468,
46.0689

■ 28.6933, 39.0468,
46.0689

■ 26.9813, 38.1848,
45.1035

■ 30.8463, 40.1378,
47.0683

■ 25.6739, 37.5301,
44.1677

■ 33.4665, 41.4684,
48.1004

■ 24.7346, 37.0650,
43.2608

■ 36.5820, 43.0541,
49.1674

■ 24.1187, 36.7664,
42.3804

■ 40.2178, 44.9078,
50.2705

■ 23.7692, 36.6023,
41.6380

■ 44.3971, 47.0414,
51.4109

■ 49.1418, 49.4662,
52.5896

■ 54.4725, 52.1928,
53.8076

■ 60.4088, 55.2314,
55.0659

■ 66.9695, 58.5916,
56.3654

Harmonies

Analogous

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



29.2206, 39.0468, 33.1869



28.6933, 39.0468, 46.0689



30.2625, 39.0468, 60.7324

Triad

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



28.6933, 39.0468, 46.0689



43.0229, 39.0468, 67.1182



40.7555, 39.0468, 22.4684

Complementary

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



28.6933, 39.0468, 46.0689



25.3068, 18.0950, 13.7156

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.



44.9259, 39.0468, 28.3625



28.6933, 39.0468, 46.0689



46.3118, 39.0468, 53.4461

Square

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



28.6933, 39.0468, 46.0689



38.3337, 39.0468, 74.4772



47.0366, 39.0468, 39.1494



35.9181, 39.0468, 21.3237

Rectangle

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



28.6933, 39.0468, 46.0689



32.3732, 39.0468, 68.9411



47.0366, 39.0468, 39.1494



42.2938, 39.0468, 23.8872

Sweetspot

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



28.6944, 39.0483, 46.0698



69.3850, 79.0787, 89.2555



23.8182, 37.2088, 15.3787



15.0226, 17.3119, 19.6221



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



28.6944, 39.0483, 46.0698



47.8841, 68.1663, 80.4949



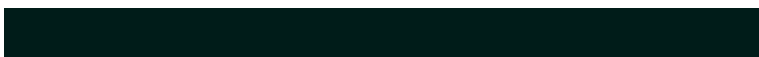
22.8549, 25.9174, 48.5994



9.2286, 10.1954, 11.3612



16.5951, 25.5390, 29.1194



0.5959, 0.9046, 1.0836

Inverse Universe

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



25.3068, 18.0950, 13.7156



41.1499, 26.3659, 16.0696



28.8708, 25.8656, 12.9230



9.0386, 9.0258, 9.5508



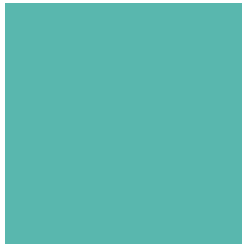
13.7089, 7.0573, 1.0877



0.4950, 0.2535, 0.1000

Previews

White Background



This preview shows how the XYZ color 28.6933, 39.0468, 46.0689 looks on a white background.

Color Contrast Check

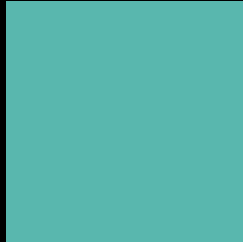
Large Text (above 18pt) WCAG AA × Fail

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 28.6933, 39.0468, 46.0689 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 28.6933, 39.0468, 46.0689

Background



This preview shows how black text looks on a background with the XYZ color 28.6933, 39.0468, 46.0689.

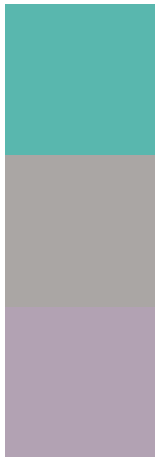


This preview shows how white text looks on a background with the XYZ color 28.6933, 39.0468,

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

28.6933, 39.0468, 46.0689

Protanopia

36.9146, 38.4988, 40.6074

Deuteranopia

39.4171, 38.5603, 48.0132



Tritanopia

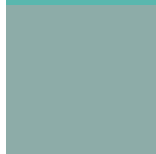
30.8827, 39.0244, 56.9437

Trichromacy



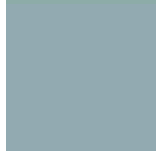
Original Color

28.6933, 39.0468, 46.0689



Protanomaly

32.8049, 37.9949, 42.6505



Deuteranomaly

34.1646, 38.0348, 47.1358



Tritanomaly

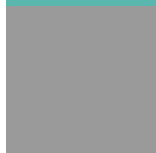
30.0077, 38.9628, 52.9527

Monochromacy



Original Color

28.6933, 39.0468, 46.0689



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.0941, 34.2293, 38.7917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6933, 39.0468, 46.0689 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, 183, 174)` looks like.

```
.text, #text, p{  
    color:rgb(89, 183, 174)  
}
```

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, 183, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 183, 174) }
```

Border

The CSS property to change the border of an element to XYZ 28.6933, 39.0468, 46.0689 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, 183, 174) }
```


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

```
.border{ border-color:rgb(89, 183, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 183, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 183, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 183, 174);  
box-shadow:4px 4px 4px 4px rgb(89, 183,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6933, 39.0468, 46.0689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 183, 174) }
```

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

```
.background{ background-color: rgb(89, 183,  
174) }
```

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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