

Converting Colors

XYZ(20.4286, 27.9193, 46.6954)

Have a look what the booklet for
XYZ(20.4286, 27.9193, 46.6954)
contains.

XYZ(20.5348, 28.0509, 46.9799)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.5348, 28.0509,
46.9799)**

Conversions

Conversions Part 1

Format	Color
Hex	009FB3
RGB	0, 159, 179
RGB Percent	0%, 62%, 70%
CMY	0.9999, 0.3765, 0.2980
CMYK	1.00, 0.11, 0.00, 0.30
HSL	187°, 100%, 35%
HSV	187°, 100%, 70%
XYZ	20.5348, 28.0509, 46.9799
YIQ	113.7390, -101.1840, -27.4880

Conversions

Conversions Part 2

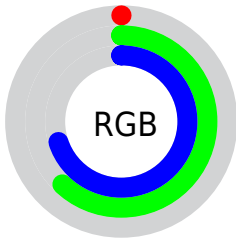
Format	Color
RYB	0, 84, 179
Decimal	40883
CIELab	59.93, -27.28, -20.21
CIELCh	60, 33.950, 216.526
Yxy	28.0509, 0.2149, 0.2935
Android (android.graphics.Color)	4278230963 (0xFF009FB3)
YUV	113.7390, 32.1737, -99.7491
Hunter-Lab	52.9631, -23.4776, -15.5179

Details

The XYZ color **20.5348, 28.0509, 46.9799** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.8416, 10.0854, 0.9546**, and the grayscale version is **15.8480, 16.6733, 18.1572**.

A 20% lighter version of the original color is **43.8658, 56.5781, 87.2060**, and **9.0236, 12.0217, 21.5835** is the 20% darker color. If you saturate the color by 10%, you get **20.5346, 28.0504, 46.9803**, and if you desaturate by 10%, it is **21.1303, 28.8732, 47.1078**.

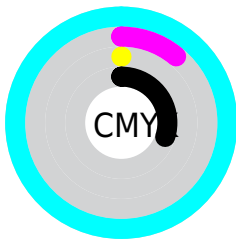
Distribution



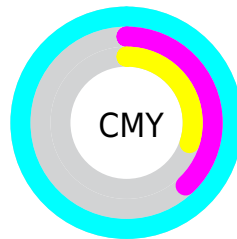
- Red (0%)
- Green (62%)
- Blue (70%)



- Red (0%)
- Yellow (33%)
- Blue (70%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (38%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5348, 28.0509, 46.9799 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 20.5348, 28.0509, 46.9799 by changing the saturation by 10% instead.

■ 20.5348, 28.0509,
46.9799

■ 20.5348, 28.0509,
46.9799

■ 247.5745,
292.7101, 391.1257

■ 12.8949, 18.3640,
32.6655

■ 43.8092, 56.5657,
87.0333

■ 7.4327, 11.2117,
21.6013

■ 60.1743, 76.1624,
113.6094

■ 3.7829, 6.2094,
13.3687

■ 80.1786, 99.8312,
145.1098

■ 1.5800, 2.9728,
7.5493

■ 104.1874,
127.9565, 181.9531

■ 0.3794, 1.1176,
3.7243

■ 132.5660,
160.9226, 224.5578

■ 0.0000, 0.0000,
1.4753

■ 165.6799,

■ 0.0000, 0.0000,

199.1140, 273.3424

0.1995

203.8942,
242.9150, 328.7256

■ 0.0000, 0.0000,
0.0000

■ 20.5348, 28.0509,
46.9799

■ 20.5348, 28.0509,
46.9799

■ 20.5346, 28.0504,
46.9803

■ 21.1303, 28.8732,
47.1078

■ 21.9562, 29.8221,
47.2474

■ 23.0996, 30.9430,
47.4035

■ 24.6014, 32.2570,
47.5780

■ 26.4968, 33.7824,
47.7725

■ 28.8163, 35.5348,
47.9885

■ 31.5876, 37.5287,
48.2273

■ 34.8361, 39.7770,
48.4900

■ 38.5851, 42.2920,
48.7779

Harmonies

Analogous

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



19.2390, 28.0509, 33.3236



20.5348, 28.0509, 46.9799



23.4914, 28.0509, 57.9321

Triad

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



20.5348, 28.0509, 46.9799



35.0185, 28.0509, 41.0186



25.7297, 28.0509, 12.4955

Complementary

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



20.5348, 28.0509, 46.9799



18.8416, 10.0854, 0.9546

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.



30.1048, 28.0509, 13.5212



20.5348, 28.0509, 46.9799



35.7830, 28.0509, 27.9209

Square

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



20.5348, 28.0509, 46.9799



31.9107, 28.0509, 53.8917



33.8997, 28.0509, 18.4709



22.0221, 28.0509, 15.1513

Rectangle

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



20.5348, 28.0509, 46.9799



26.1620, 28.0509, 60.9285



33.8997, 28.0509, 18.4709



27.1674, 28.0509, 12.4348

Sweetspot

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



20.5357, 28.0519, 46.9806



56.2899, 67.0130, 86.3492



16.2294, 32.2843, 5.9454



11.9943, 14.5072, 19.0902



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.5357, 28.0519, 46.9806



36.6726, 50.0290, 84.1049



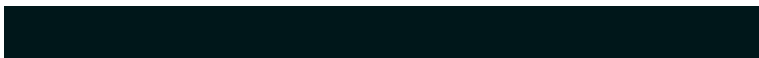
10.4302, 7.8408, 43.6121



8.6600, 9.4661, 10.8770



14.5402, 19.8808, 33.2080



0.4804, 0.6714, 1.0525

Inverse Universe

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



24.8492, 12.0879, 33.8253



44.4500, 21.6262, 60.2999



23.8918, 20.1859, 2.6380



8.8083, 8.6300, 10.4890



17.5739, 8.5471, 23.9798



0.5645, 0.2736, 0.8154

Previews

White Background



This preview shows how the XYZ color 20.5348, 28.0509, 46.9799 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5348, 28.0509, 46.9799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

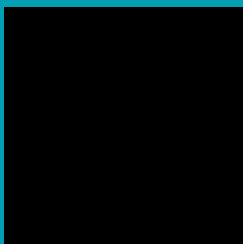
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

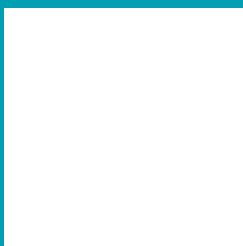
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5348, 28.0509, 46.9799

Background



This preview shows how black text looks on a background with the XYZ color 20.5348, 28.0509, 46.9799.

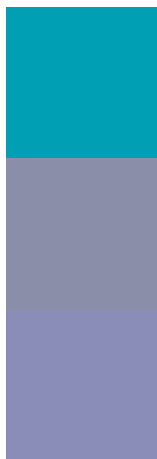


This preview shows how white text looks on a background with the XYZ color 20.5348, 28.0509,

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

20.5348, 28.0509, 46.9799

Protanopia

27.3883, 27.6621, 40.9416

Deuteranopia

28.3886, 27.7870, 48.6669



Tritanopia

20.1136, 28.1587, 43.9102

Trichromacy



Original Color

20.5348, 28.0509, 46.9799

Protanomaly

22.0608, 26.2331, 42.9305

Deuteranomaly

22.9639, 26.5834, 48.1768

Tritanomaly

20.3087, 28.2368, 44.9373

Monochromacy



Original Color

20.5348, 28.0509, 46.9799

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.3177, 19.2167, 26.9466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5348, 28.0509, 46.9799 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(0, 159, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 179)  
}
```

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(0, 159, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 179) }
```

Border

The CSS property to change the border of an element to XYZ 20.5348, 28.0509, 46.9799 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(0, 159, 179) }
```


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

```
.border{ border-color:rgb(0, 159, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5348, 28.0509, 46.9799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 179) }
```

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

```
.background{ background-color: rgb(0, 159,  
179) }
```

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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