

Converting Colors

XYZ(21.6209, 30.0553, 39.8456)

Have a look what the booklet for
XYZ(21.6209, 30.0553, 39.8456)
contains.

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Color

**XYZ(21.6072, 30.0720,
39.7876)**

Conversions

Conversions Part 1

Format	Color
Hex	38A4A4
RGB	56, 164, 164
RGB Percent	22%, 64%, 64%
CMY	0.7804, 0.3569, 0.3569
CMYK	0.66, 0.00, 0.00, 0.36
HSL	180°, 49%, 43%
HSV	180°, 66%, 64%
XYZ	21.6072, 30.0720, 39.7876
YIQ	131.7080, -64.3680, -22.8960

Conversions

Conversions Part 2

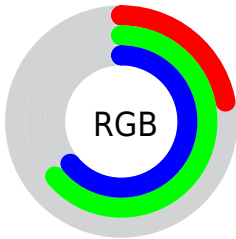
Format	Color
RYB	56, 110, 164
Decimal	3712164
CIELab	61.72, -29.83, -8.99
CIElCh	62, 31.153, 196.777
Yxy	30.0720, 0.2362, 0.3288
Android (android.graphics.Color)	4281902244 (0xFF38A4A4)
YUV	131.7080, 15.9200, -66.3959
Hunter-Lab	54.8379, -25.6340, -4.6312

Details

The XYZ color **21.6072, 30.0720, 39.7876** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.4389, 11.0074, 4.9479**, and the grayscale version is **21.7892, 22.9240, 24.9642**.

A 20% lighter version of the original color is **45.4538, 59.5594, 76.1183**, and **8.7188, 12.7582, 17.3323** is the 20% darker color. If you saturate the color by 10%, you get **20.8367, 29.6755, 39.7521**, and if you desaturate by 10%, it is **22.6798, 30.6256, 39.8386**.

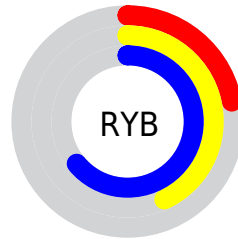
Distribution



Red (22%)

Green (64%)

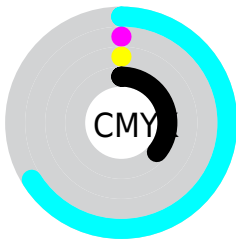
Blue (64%)



Red (22%)

Yellow (43%)

Blue (64%)

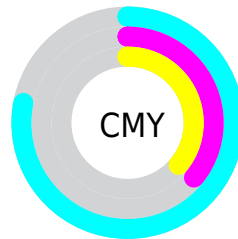


Cyan (66%)

Magenta (0%)

Yellow (0%)

Black (36%)



Cyan (78%)

Magenta (36%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6072, 30.0720, 39.7876 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 21.6072, 30.0720, 39.7876 by changing the saturation by 10% instead.

■ 21.6072, 30.0720,
39.7876

■ 21.6072, 30.0720,
39.7876

253.1592,
302.2399, 360.7530

■ 13.6835, 19.8932,
27.0605

■ 45.5796, 59.7760,
76.0735

■ 7.9811, 12.3175,
17.3858

■ 62.3591, 80.0701,
100.4694

■ 4.1346, 6.9603,
10.3451

■ 82.8212, 104.5047,
129.5919

■ 1.7785, 3.4373,
5.5198

■ 107.3314,
133.4643, 163.8595

■ 0.5047, 1.3641,
2.4913

■ 136.2549,
167.3332, 203.6910

■ 0.0000, 0.1900,
0.8355

169.9571,

■ 0.0000, 0.0000,

206.4958, 249.5046

0.0000

208.8034,
251.3366, 301.7191

■ 21.6072, 30.0720,
39.7876

■ 21.6072, 30.0720,
39.7876

■ 20.8367, 29.6755,
39.7521

■ 22.6798, 30.6256,
39.8386

■ 20.3349, 29.4168,
39.7285

■ 24.0782, 31.3465,
39.9041

■ 20.0620, 29.2761,
39.7157

■ 25.8270, 32.2480,
39.9861

■ 19.9768, 29.2322,
39.7116

■ 27.9475, 33.3412,
40.0854

■ 30.4595, 34.6362,
40.2031

■ 33.3812, 36.1424,
40.3399

■ 36.7299, 37.8687,
40.4967

■ 40.5216, 39.8234,
40.6743

■ 44.7718, 42.0144,
40.8733

Harmonies

Analogous

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



21.5012, 30.0720, 27.7921



21.6072, 30.0720, 39.7876



23.4618, 30.0720, 52.3638

Triad

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



21.6072, 30.0720, 39.7876



34.7961, 30.0720, 51.0063



30.4457, 30.0720, 15.1631

Complementary

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



21.6072, 30.0720, 39.7876



17.4389, 11.0074, 4.9479

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.



34.3989, 30.0720, 18.7616



21.6072, 30.0720, 39.7876



37.0695, 30.0720, 38.2502

Square

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



21.6072, 30.0720, 39.7876



30.9466, 30.0720, 59.8378



36.9175, 30.0720, 26.5837



26.3420, 30.0720, 15.3835

Rectangle

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



21.6072, 30.0720, 39.7876



25.5520, 30.0720, 58.5344



36.9175, 30.0720, 26.5837



31.8437, 30.0720, 15.9205

Sweetspot

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



21.6081, 30.0731, 39.7883



53.1334, 61.7581, 72.8720



15.7236, 27.7312, 8.2662



11.3546, 13.3668, 15.9190



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.6081, 30.0731, 39.7883



37.3415, 53.6171, 72.1319



14.1049, 15.0666, 37.2879



7.2761, 8.0113, 9.0659



15.3167, 22.4130, 30.4479



0.3218, 0.4709, 0.6398

Inverse Universe

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



17.4389, 11.0074, 4.9479



29.2010, 16.3910, 4.1057



21.4085, 18.9467, 6.2710



7.0738, 7.0860, 7.3750



11.7388, 6.0516, 0.5494



0.2467, 0.1272, 0.0116

Previews

White Background



This preview shows how the XYZ color 21.6072, 30.0720, 39.7876 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 21.6072, 30.0720, 39.7876 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

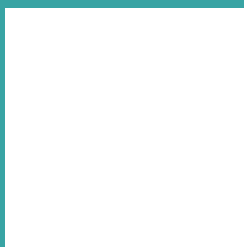
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6072, 30.0720, 39.7876

Background



This preview shows how black text looks on a background with the XYZ color 21.6072, 30.0720, 39.7876.

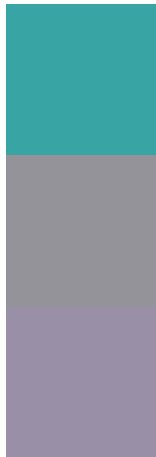


This preview shows how white text looks on a background with the XYZ color 21.6072, 30.0720,

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

21.6072, 30.0720, 39.7876

Protanopia

28.6609, 29.5901, 34.7727

Deuteranopia

30.1780, 29.5460, 41.1582



Tritanopia

22.6448, 29.9599, 45.1468

Trichromacy



Original Color

21.6072, 30.0720, 39.7876

Protanomaly

24.6330, 28.8959, 36.6269

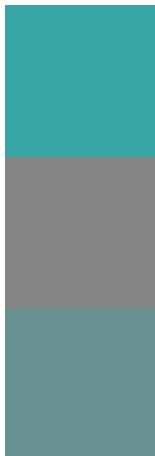
Deuteranomaly

25.5129, 28.7748, 40.7686

Tritanomaly

22.3114, 30.0953, 43.1611

Monochromacy



Original Color

21.6072, 30.0720, 39.7876

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.7162, 24.9032, 30.1005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6072, 30.0720, 39.7876 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(56, 164, 164)` looks like.

```
.text, #text, p{  
    color:rgb(56, 164, 164)  
}
```

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(56, 164, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 164, 164) }
```

Border

The CSS property to change the border of an element to XYZ 21.6072, 30.0720, 39.7876 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(56, 164, 164) }
```


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

```
.border{ border-color:rgb(56, 164, 164) }
```

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

Here you see how a box with a 4 pixel rgb(56, 164, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 164, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 164, 164);  
box-shadow:4px 4px 4px 4px rgb(56, 164,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6072, 30.0720, 39.7876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 164, 164) }
```

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

```
.background{ background-color: rgb(56, 164,  
164) }
```

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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