

Converting Colors

XYZ(21.8719, 29.0197, 46.0436)

Have a look what the booklet for
XYZ(21.8719, 29.0197, 46.0436)
contains.

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Color

**XYZ(21.8719, 29.0197,
46.0436)**

Conversions

Conversions Part 1

Format	Color
Hex	33A0B1
RGB	51, 160, 177
RGB Percent	20%, 63%, 69%
CMY	0.8000, 0.3725, 0.3059
CMYK	0.71, 0.10, 0.00, 0.31
HSL	188°, 55%, 45%
HSV	188°, 71%, 69%
XYZ	21.8719, 29.0197, 46.0436
YIQ	129.3470, -70.4210, -17.8210

Conversions

Conversions Part 2

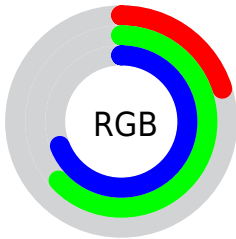
Format	Color
RYB	51, 109, 177
Decimal	3383473
CIELab	60.80, -24.63, -17.71
CIElCh	61, 30.336, 215.709
Yxy	29.0197, 0.2256, 0.2994
Android (android.graphics.Color)	4281573553 (0xFF33A0B1)
YUV	129.3470, 23.4929, -68.7103
Hunter-Lab	53.8699, -21.7990, -12.9673

Details

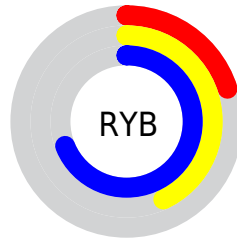
The XYZ color **21.8719, 29.0197, 46.0436** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.7971, 13.7216, 4.6855**, and the grayscale version is **20.9270, 22.0169, 23.9764**.

A 20% lighter version of the original color is **46.0787, 58.1289, 85.8822**, and **9.0007, 12.1804, 20.9454** is the 20% darker color. If you saturate the color by 10%, you get **20.7342, 27.8251, 45.8735**, and if you desaturate by 10%, it is **23.3588, 30.4074, 46.2336**.

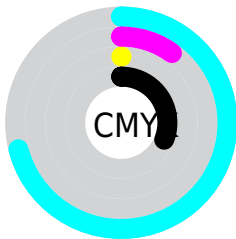
Distribution



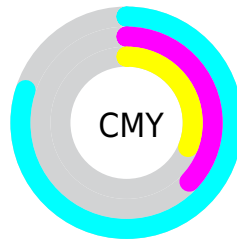
- Red (20%)
- Green (63%)
- Blue (69%)



- Red (20%)
- Yellow (43%)
- Blue (69%)



- Cyan (71%)
- Magenta (10%)
- Yellow (0%)
- Black (31%)



- Cyan (80%)
- Magenta (37%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8719, 29.0197, 46.0436 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 21.8719, 29.0197, 46.0436 by changing the saturation by 10% instead.

■ 21.8719, 29.0197,
46.0436

■ 21.8719, 29.0197,
46.0436

254.5215,
297.3079, 387.2666

■ 13.8789, 19.0957,
31.9313

■ 46.0146, 58.1084,
85.6192

■ 8.1176, 11.7395,
21.0447

■ 62.8950, 78.0419,
111.9196

■ 4.2227, 6.5665,
12.9651

■ 83.4686, 102.0807,
143.1198

■ 1.8289, 3.1925,
7.2741

■ 108.1007,
130.6092, 179.6384

■ 0.5350, 1.2331,
3.5530

■ 137.1567,
164.0117, 221.8938

■ 0.0000, 0.0885,
1.3835

171.0019,

■ 0.0000, 0.0000,

202.6728, 270.3046

0.1288

210.0018,
246.9767, 325.2893

■ 0.0000, 0.0000,
0.0000

■ 21.8719, 29.0197,
46.0436

■ 21.8719, 29.0197,
46.0436

■ 20.7342, 27.8251,
45.8735

■ 23.3588, 30.4074,
46.2336

■ 19.9020, 26.7991,
45.7193

■ 25.2267, 32.0027,
46.4431

■ 19.3468, 25.9961,
45.5936

■ 27.5069, 33.8225,
46.6742

■ 30.2265, 35.8808,
46.9281

■ 33.4104, 38.1906,
47.2062

■ 37.0817, 40.7638,
47.5093

■ 41.2617, 43.6114,
47.8387

■ 45.9707, 46.7439,
48.1951

■ 51.2276, 50.1712,
48.5796

Harmonies

Analogous

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



20.7042, 29.0197, 33.8075



21.8719, 29.0197, 46.0436



24.5791, 29.0197, 55.8129

Triad

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



21.8719, 29.0197, 46.0436



35.0873, 29.0197, 41.3995



26.8349, 29.0197, 14.5401

Complementary

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



21.8719, 29.0197, 46.0436



20.7971, 13.7216, 4.6855

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.



30.8208, 29.0197, 15.6489



21.8719, 29.0197, 46.0436



35.8366, 29.0197, 29.4860

Square

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



21.8719, 29.0197, 46.0436



32.2492, 29.0197, 52.7152



34.2091, 29.0197, 20.5414



23.3889, 29.0197, 17.0406

Rectangle

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



21.8719, 29.0197, 46.0436



27.0189, 29.0197, 58.5778



34.2091, 29.0197, 20.5414



28.1536, 29.0197, 14.5122

Sweetspot

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



21.8728, 29.0208, 46.0443



59.7274, 68.3198, 84.5344



18.1256, 32.5638, 10.7684



12.5949, 14.5560, 18.2901



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.



21.8728, 29.0208, 46.0443



36.2851, 48.8295, 82.0079



13.5955, 12.4660, 43.2852



8.6430, 9.4321, 10.8714



14.0495, 18.8994, 33.0445



0.4690, 0.6485, 1.0487

Inverse Universe

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



25.6613, 14.2539, 34.6574



43.8581, 22.2293, 58.5916



26.8195, 25.7664, 6.6930



8.7997, 8.6266, 10.4438



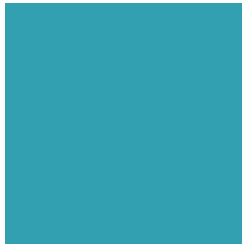
17.3262, 8.4480, 22.6755



0.5587, 0.2712, 0.7850

Previews

White Background



This preview shows how the XYZ color 21.8719, 29.0197, 46.0436 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 21.8719, 29.0197, 46.0436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

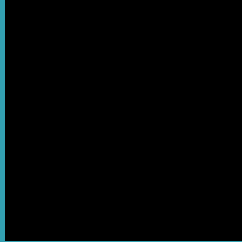
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8719, 29.0197, 46.0436

Background



This preview shows how black text looks on a background with the XYZ color 21.8719, 29.0197, 46.0436.

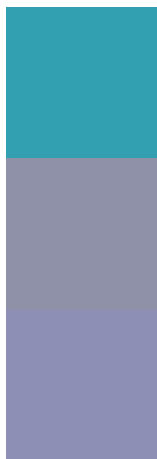


This preview shows how white text looks on a background with the XYZ color 21.8719, 29.0197,

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

21.8719, 29.0197, 46.0436

Protanopia

28.2558, 28.7916, 40.6273

Deuteranopia

29.3183, 28.7319, 47.7166



Tritanopia

21.6515, 29.1987, 44.5392

Trichromacy



Original Color

21.8719, 29.0197, 46.0436

Protanomaly

24.5637, 28.0042, 42.6388

Deuteranomaly

25.2923, 28.0414, 47.2595

Tritanomaly

21.7981, 29.2630, 45.0569

Monochromacy



Original Color

21.8719, 29.0197, 46.0436

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.9332, 23.5982, 30.6984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8719, 29.0197, 46.0436 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(51, 160, 177)` looks like.

```
.text, #text, p{  
    color:rgb(51, 160, 177)  
}
```

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(51, 160, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 160, 177) }
```

Border

The CSS property to change the border of an element to XYZ 21.8719, 29.0197, 46.0436 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(51, 160, 177) }
```


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

```
.border{ border-color:rgb(51, 160, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 160, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 160, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 160, 177);  
box-shadow:4px 4px 4px 4px rgb(51, 160,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8719, 29.0197, 46.0436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 160, 177) }
```

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

```
.background{ background-color: rgb(51, 160,  
177) }
```

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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