

Converting Colors

XYZ(16.9034, 21.8719, 37.9811)

Have a look what the booklet for
XYZ(16.9034, 21.8719, 37.9811)
contains.

XYZ(16.9034, 21.8719, 37.9811)	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(16.9034, 21.8719,
37.9811)**

Conversions

Conversions Part 1

Format	Color
Hex	298CA3
RGB	41, 140, 163
RGB Percent	16%, 55%, 64%
CMY	0.8392, 0.4510, 0.3608
CMYK	0.75, 0.14, 0.00, 0.36
HSL	191°, 60%, 40%
HSV	191°, 75%, 64%
XYZ	16.9034, 21.8719, 37.9811
YIQ	113.0210, -66.3870, -13.8350

Conversions

Conversions Part 2

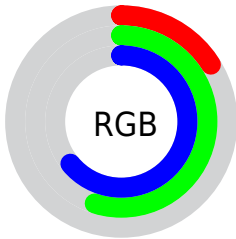
Format	Color
R _Y B	41, 96, 163
Decimal	2722979
CIE Lab	53.89, -20.08, -20.29
CIE LCh	54, 28.541, 225.300
Yxy	21.8719, 0.2202, 0.2850
Android (android.graphics.Color)	4280913059 (0xFF298CA3)
YUV	113.0210, 24.6396, -63.1624
Hunter-Lab	46.7674, -17.3267, -15.4139

Details

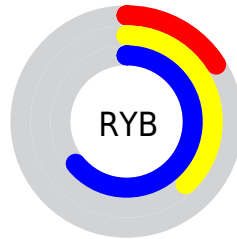
The XYZ color **16.9034, 21.8719, 37.9811** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.3387, 11.6145, 3.4267**, and the grayscale version is **15.6466, 16.4615, 17.9265**.

A 20% lighter version of the original color is **37.7724, 46.6488, 73.3430**, and **6.5254, 8.4600, 16.3279** is the 20% darker color. If you saturate the color by 10%, you get **15.9402, 20.7185, 37.8096**, and if you desaturate by 10%, it is **18.1497, 23.1908, 38.1704**.

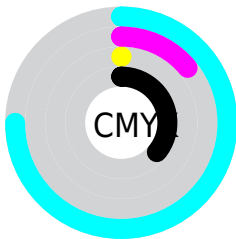
Distribution



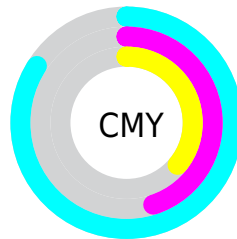
- Red (16%)
- Green (55%)
- Blue (64%)



- Red (16%)
- Yellow (38%)
- Blue (64%)



- Cyan (75%)
- Magenta (14%)
- Yellow (0%)
- Black (36%)



- Cyan (84%)
- Magenta (45%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9034, 21.8719, 37.9811 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 16.9034, 21.8719, 37.9811 by changing the saturation by 10% instead.

■ 16.9034, 21.8719,
37.9811

■ 16.9034, 21.8719,
37.9811

■ 227.7822,
261.8766, 352.8346

■ 10.2605, 13.7628,
25.6663

■ 37.7045, 46.5342,
73.2823

■ 5.6356, 7.9559,
16.3506

■ 52.5935, 63.8562,
97.1057

■ 2.6633, 4.0667,
9.6156

■ 70.9619, 85.0179,
125.6025

■ 0.9783, 1.7110,
5.0426

■ 93.1750, 110.4038,
159.1911

■ 0.0000, 0.4307,
2.2131

■ 119.5982,
140.3982, 198.2900

■ 0.0000, 0.0000,
0.6819

■ 150.5969,

■ 0.0000, 0.0000,

175.3855, 243.3179

0.0000

186.5365,
215.7502, 294.6933

■ 16.9034, 21.8719,
37.9811

■ 16.9034, 21.8719,
37.9811

■ 15.9402, 20.7185,
37.8096

■ 18.1497, 23.1908,
38.1704

■ 15.2214, 19.7090,
37.6527

■ 19.7067, 24.6882,
38.3774

■ 14.8989, 19.2203,
37.5754

■ 21.6010, 26.3784,
38.6038

■ 23.8558, 28.2735,
38.8507

■ 26.4919, 30.3843,
39.1192

■ 29.5287, 32.7211,
39.4102

■ 32.9844, 35.2933,
39.7245

■ 36.8756, 38.1097,
40.0631

■ 41.2184, 41.1786,
40.4265

Harmonies

Analogous

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



15.5944, 21.8719, 28.5648



16.9034, 21.8719, 37.9811



19.3250, 21.8719, 44.2185

Triad

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



16.9034, 21.8719, 37.9811



27.0434, 21.8719, 28.3719



19.2681, 21.8719, 10.9379

Complementary

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



16.9034, 21.8719, 37.9811



17.3387, 11.6145, 3.4267

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.



22.3242, 21.8719, 10.9106



16.9034, 21.8719, 37.9811



27.0243, 21.8719, 19.6229

Square

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



16.9034, 21.8719, 37.9811



25.2775, 21.8719, 37.8102



25.2277, 21.8719, 13.6983



16.8653, 21.8719, 13.7852

Rectangle

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



16.9034, 21.8719, 37.9811



21.3392, 21.8719, 44.9499



25.2277, 21.8719, 13.6983



20.2476, 21.8719, 10.6269

Sweetspot

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



16.9041, 21.8727, 37.9816



48.7003, 55.3957, 70.1818



14.9199, 27.0294, 9.1885



10.6414, 12.2101, 15.7335



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.



16.9041, 21.8727, 37.9816



27.6263, 35.8451, 67.5188



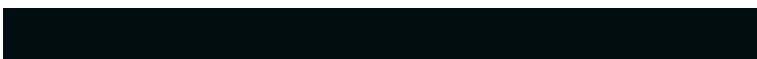
10.3681, 8.8007, 35.8030



7.1621, 7.7832, 9.0279



11.6101, 14.9996, 29.2131



0.2716, 0.3705, 0.6230

Inverse Universe

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



20.6315, 11.2666, 25.8989



35.1324, 17.6117, 42.4862



22.7590, 22.4551, 5.2334



7.3068, 7.1792, 8.6020



15.0057, 7.3583, 17.7525



0.3293, 0.1602, 0.4465

Previews

White Background



This preview shows how the XYZ color 16.9034, 21.8719, 37.9811 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 16.9034, 21.8719, 37.9811 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 16.9034, 21.8719, 37.9811

Background



This preview shows how black text looks on a background with the XYZ color 16.9034, 21.8719, 37.9811.

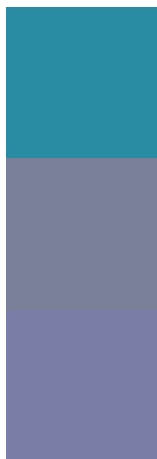


This preview shows how white text looks on a background with the XYZ color 16.9034, 21.8719,

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

16.9034, 21.8719, 37.9811

Protanopia

21.4481, 21.6494, 33.6202

Deuteranopia

22.0895, 21.6680, 39.0945



Tritanopia

16.0500, 21.9692, 33.5316

Trichromacy



Original Color

16.9034, 21.8719, 37.9811

Protanomaly

18.8513, 21.2640, 35.0091

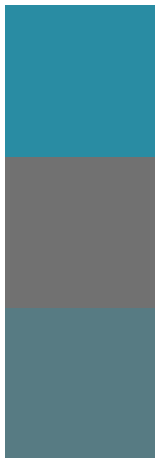
Deuteranomaly

19.2222, 21.1734, 38.6711

Tritanomaly

16.3382, 21.8591, 35.2564

Monochromacy



Original Color

16.9034, 21.8719, 37.9811

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.1102, 17.8308, 24.1180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9034, 21.8719, 37.9811 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(41, 140, 163)` looks like.

```
.text, #text, p{  
    color:rgb(41, 140, 163)  
}
```

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(41, 140, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 140, 163) }
```

Border

The CSS property to change the border of an element to XYZ 16.9034, 21.8719, 37.9811 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(41, 140, 163) }
```


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

```
.border{ border-color:rgb(41, 140, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 140, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 140, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 140, 163);  
box-shadow:4px 4px 4px 4px rgb(41, 140,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9034, 21.8719, 37.9811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 140, 163) }
```

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

```
.background{ background-color: rgb(41, 140,  
163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor