

Converting Colors

XYZ(6.9122, 8.1090, 17.2717)

Have a look what the booklet for
XYZ(6.9122, 8.1090, 17.2717)
contains.

XYZ(6.9577, 8.1694, 17.4298)	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(6.9577, 8.1694,
17.4298)**

Conversions

Conversions Part 1

Format	Color
Hex	1E5673
RGB	30, 86, 115
RGB Percent	12%, 34%, 45%
CMY	0.8823, 0.6627, 0.5490
CMYK	0.74, 0.25, 0.00, 0.55
HSL	200°, 59%, 28%
HSV	200°, 74%, 45%
XYZ	6.9577, 8.1694, 17.4298
YIQ	72.5620, -42.6850, -2.8530

Conversions

Conversions Part 2

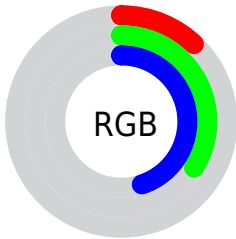
Format	Color
R_{YB}	30, 64, 115
Decimal	1988211
CIE _{Lab}	34.33, -7.79, -21.81
CIE _{LCh}	34, 23.163, 250.339
Yxy	8.1694, 0.2137, 0.2509
Android (android.graphics.Color)	4280178291 (0xFF1E5673)
YUV	72.5620, 20.9219, -37.3269
Hunter-Lab	28.5822, -6.5669, -16.1484

Details

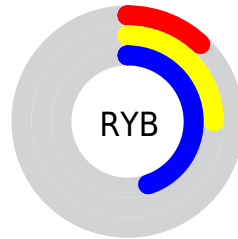
The XYZ color **6.9577, 8.1694, 17.4298** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **8.8689, 6.8670, 2.0866**, and the grayscale version is **6.2272, 6.5515, 7.1345**.

A 20% lighter version of the original color is **19.6170, 22.3768, 39.8444**, and **1.8061, 1.9911, 5.5993** is the 20% darker color. If you saturate the color by 10%, you get **6.3767, 7.4176, 17.3155**, and if you desaturate by 10%, it is **7.6791, 9.0193, 17.5560**.

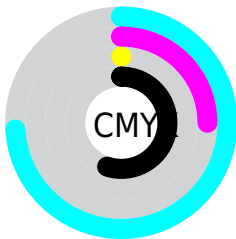
Distribution



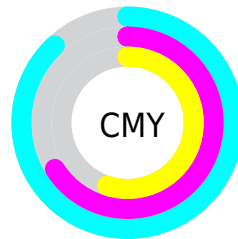
- Red (12%)
- Green (34%)
- Blue (45%)



- Red (12%)
- Yellow (25%)
- Blue (45%)



- Cyan (74%)
- Magenta (25%)
- Yellow (0%)
- Black (55%)



- Cyan (88%)
- Magenta (66%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.9577, 8.1694, 17.4298 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 6.9577, 8.1694, 17.4298 by changing the saturation by 10% instead.

6.9577, 8.1694,
17.4298

6.9577, 8.1694,
17.4298

161.8641,
177.0547, 249.7644

3.4818, 4.2035,
10.3762

19.5936, 22.2899,
39.8640

1.4133, 1.7881,
5.5403

29.4843, 33.2133,
56.0817

0.2657, 0.4797,
2.5034

42.2440, 47.2246,
76.1912

0.0000, 0.0000,
0.8419

58.2379, 64.7083,
100.6110

0.0000, 0.0000,
0.0000

77.8316, 86.0488,
129.7597

101.3903,

111.6304, 164.0558

129.2793,
141.8376, 203.9179

■ 6.9577, 8.1694,
17.4298

■ 6.9577, 8.1694,
17.4298

■ 6.3767, 7.4176,
17.3155

■ 7.6791, 9.0193,
17.5560

■ 5.9176, 6.7537,
17.2115

■ 8.5522, 9.9733,
17.6941

■ 5.6628, 6.3743,
17.1517

■ 9.5883, 11.0376,
17.8449

■ 10.7969, 12.2176,
18.0090

■ 12.1872, 13.5182,
18.1868

■ 13.7674, 14.9442,
18.3787

■ 15.5453, 16.5000,
18.5853

■ 17.5282, 18.1895,
18.8069

■ 19.7229, 20.0168,
19.0439

Harmonies

Analogous

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



6.0192, 8.1694, 14.3482



6.9577, 8.1694, 17.4298



8.2197, 8.1694, 17.9031

Triad

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



6.9577, 8.1694, 17.4298



10.4774, 8.1694, 7.6770



6.2636, 8.1694, 4.4956

Complementary

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



6.9577, 8.1694, 17.4298



8.8689, 6.8670, 2.0866

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.



7.3269, 8.1694, 3.5669



6.9577, 8.1694, 17.4298



9.8189, 8.1694, 5.0352

Square

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



6.9577, 8.1694, 17.4298



10.3502, 8.1694, 11.5132



8.6320, 8.1694, 3.7323



5.6503, 8.1694, 6.7074

Rectangle

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



6.9577, 8.1694, 17.4298



9.0900, 8.1694, 16.5672



8.6320, 8.1694, 3.7323



6.5750, 8.1694, 4.0552

Sweetspot

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



6.9580, 8.1697, 17.4300



22.1801, 24.5336, 32.6110



7.4387, 12.8466, 6.1356



5.1595, 5.7318, 7.7634



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



6.9580, 8.1697, 17.4300



10.7922, 12.3870, 30.8666



4.5371, 3.3280, 16.6231



3.6831, 3.9549, 4.6595



6.4534, 7.2464, 19.6011



30.6296, 33.6758, 95.2460

Inverse Universe

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



9.2145, 5.2456, 9.3312



15.3919, 7.9290, 14.0206



11.9423, 13.0139, 3.1111



3.7761, 3.7377, 4.3476



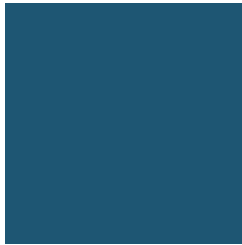
9.5545, 4.7555, 8.1281



46.1471, 23.0090, 37.4338

Previews

White Background



This preview shows how the XYZ color 6.9577, 8.1694, 17.4298 looks on a white 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

Black Background



This preview shows how the XYZ color 6.9577, 8.1694, 17.4298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

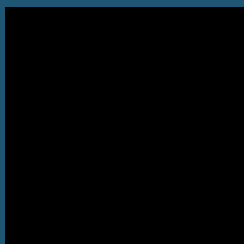
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 6.9577, 8.1694, 17.4298

Background



This preview shows how black text looks on a background with the XYZ color 6.9577, 8.1694, 17.4298.



This preview shows how white text looks on a background with the XYZ color 6.9577, 8.1694,

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

6.9577, 8.1694, 17.4298

Protanopia

8.2829, 8.0955, 15.8779

Deuteranopia

8.2678, 8.1565, 17.6616



Tritanopia

5.8681, 8.0790, 12.5594

Trichromacy



Original Color

6.9577, 8.1694, 17.4298

Protanomaly

7.6293, 8.0743, 16.4856

Deuteranomaly

7.6379, 8.0524, 17.6747

Tritanomaly

6.2379, 8.1075, 14.3328

Monochromacy



Original Color

6.9577, 8.1694, 17.4298

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

6.1732, 7.0232, 10.2628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.9577, 8.1694, 17.4298 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(30, 86, 115) looks like.

```
.text, #text, p{  
    color:rgb(30, 86, 115)  
}
```

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(30, 86, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 86, 115) }
```

Border

The CSS property to change the border of an element to XYZ 6.9577, 8.1694, 17.4298 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(30, 86, 115) }
```


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

```
.border{ border-color:rgb(30, 86, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 86, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 86, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 86, 115);  
box-shadow:4px 4px 4px 4px rgb(30, 86,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 6.9577, 8.1694, 17.4298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 86, 115) }
```

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

```
.background{ background-color: rgb(30, 86,  
115) }
```

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