

Converting Colors

XYZ(17.1312, 21.1333, 29.7699)

Have a look what the booklet for
XYZ(17.1312, 21.1333, 29.7699)
contains.

XYZ(17.1681, 21.1216, 29.9601)	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(17.1681, 21.1216,
29.9601)**

Conversions

Conversions Part 1

Format	Color
Hex	518791
RGB	81, 135, 145
RGB Percent	32%, 53%, 57%
CMY	0.6823, 0.4706, 0.4314
CMYK	0.44, 0.07, 0.00, 0.43
HSL	189°, 28%, 44%
HSV	189°, 44%, 57%
XYZ	17.1681, 21.1216, 29.9601
YIQ	119.9940, -35.3940, -8.3380

Conversions

Conversions Part 2

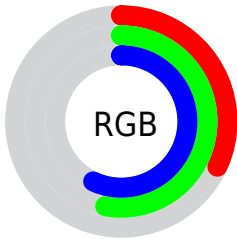
Format	Color
RYB	81, 110, 145
Decimal	5343121
CIELab	53.08, -15.13, -10.98
CIElCh	53, 18.693, 215.960
Yxy	21.1216, 0.2515, 0.3095
Android (android.graphics.Color)	4283533201 (0xFF518791)
YUV	119.9940, 12.3280, -34.1977
Hunter-Lab	45.9582, -13.7467, -6.4803

Details

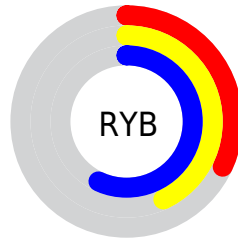
The XYZ color **17.1681, 21.1216, 29.9601** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.9036, 14.0962, 9.6149**, and the grayscale version is **17.8211, 18.7492, 20.4179**.

A 20% lighter version of the original color is **38.1235, 45.1583, 60.7399**, and **5.7661, 7.5562, 11.9811** is the 20% darker color. If you saturate the color by 10%, you get **15.7432, 19.9233, 29.8043**, and if you desaturate by 10%, it is **18.8663, 22.4718, 30.1316**.

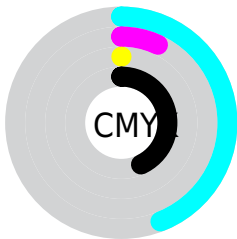
Distribution



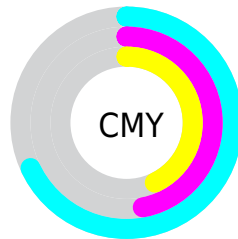
- Red (32%)
- Green (53%)
- Blue (57%)



- Red (32%)
- Yellow (43%)
- Blue (57%)



- Cyan (44%)
- Magenta (7%)
- Yellow (0%)
- Black (43%)



- Cyan (68%)
- Magenta (47%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1681, 21.1216, 29.9601 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 17.1681, 21.1216, 29.9601 by changing the saturation by 10% instead.

■ 17.1681, 21.1216,
29.9601

■ 17.1681, 21.1216,
29.9601

229.2766,
257.9240, 315.9199

■ 10.4505, 13.2129,
19.5565

■ 38.1559, 45.2898,
60.6593

■ 5.7632, 7.5753,
11.8922

■ 53.1567, 62.3182,
81.7921

■ 2.7409, 3.8244,
6.5487

■ 71.6493, 83.1552,
107.3382

■ 1.0183, 1.5758,
3.1074

■ 93.9991, 108.1852,
137.7164

■ 0.0000, 0.3412,
1.1497

■ 120.5714,
137.7927, 173.3451

■ 0.0000, 0.0000,
0.0000

151.7315,

172.3621, 214.6429

187.8448,
212.2778, 262.0284

■ 17.1681, 21.1216,
29.9601

■ 17.1681, 21.1216,
29.9601

■ 15.7432, 19.9233,
29.8043

■ 18.8663, 22.4718,
30.1316

■ 14.5727, 18.8655,
29.6618

■ 20.8516, 23.9795,
30.3180

■ 13.6381, 17.9393,
29.5323

■ 23.1389, 25.6531,
30.5204

■ 12.9176, 17.1332,
29.4147

■ 25.7417, 27.4994,
30.7396

■ 12.3844, 16.4334,
29.3077

■ 28.6726, 29.5251,
30.9762

■ 12.1132, 16.0489,
29.2478

■ 31.9433, 31.7363,
31.2306

■ 35.5654, 34.1389,
31.5034

■ 39.5494, 36.7385,
31.7952

■ 43.9057, 39.5406,
32.1065

Harmonies

Analogous

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



16.5451, 21.1216, 24.1406



17.1681, 21.1216, 29.9601



18.5743, 21.1216, 34.3714

Triad

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



17.1681, 21.1216, 29.9601



23.7300, 21.1216, 27.6967



19.6854, 21.1216, 13.8222

Complementary

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



17.1681, 21.1216, 29.9601



16.9036, 14.0962, 9.6149

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.



21.6553, 21.1216, 14.4589



17.1681, 21.1216, 29.9601



24.0754, 21.1216, 21.8917

Square

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



17.1681, 21.1216, 29.9601



22.3784, 21.1216, 32.9225



23.2938, 21.1216, 17.2075



17.9361, 21.1216, 15.2998

Rectangle

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



17.1681, 21.1216, 29.9601



19.8103, 21.1216, 35.5777



23.2938, 21.1216, 17.2075



20.3430, 21.1216, 13.7996

Sweetspot

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



17.1687, 21.1224, 29.9606



41.8188, 46.2141, 54.6897



15.3903, 22.7490, 13.3876



9.1082, 10.1405, 12.1495



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



17.1687, 21.1224, 29.9606



28.2008, 35.6856, 53.3752



13.3947, 13.5744, 28.7026



5.4895, 5.9748, 6.8927



10.4051, 13.7962, 25.0916



0.1120, 0.1569, 0.2441

Inverse Universe

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



18.9932, 13.6543, 24.5571



32.0086, 20.8936, 41.9192



20.1961, 20.6812, 10.7124



5.5906, 5.4968, 6.6079



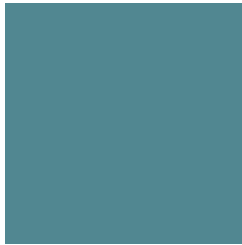
13.0551, 6.3791, 16.4734



0.1311, 0.0635, 0.1907

Previews

White Background



This preview shows how the XYZ color 17.1681, 21.1216, 29.9601 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 17.1681, 21.1216, 29.9601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

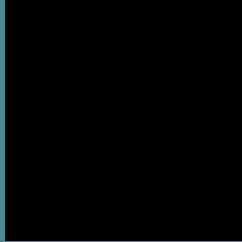
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.1681, 21.1216, 29.9601

Background



This preview shows how black text looks on a background with the XYZ color 17.1681, 21.1216, 29.9601.



This preview shows how white text looks on a background with the XYZ color 17.1681, 21.1216,

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

17.1681, 21.1216, 29.9601

Protanopia

20.4513, 20.8913, 27.3806

Deuteranopia

21.3303, 20.8932, 30.9255



Tritanopia

17.2456, 21.1526, 30.3680

Trichromacy



Original Color

17.1681, 21.1216, 29.9601

Protanomaly

18.9647, 20.8748, 28.2290

Deuteranomaly

19.4114, 20.6648, 30.5694

Tritanomaly

17.2456, 21.1526, 30.3680

Monochromacy



Original Color

17.1681, 21.1216, 29.9601

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.2399, 19.3164, 23.5887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1681, 21.1216, 29.9601 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(81, 135, 145)` looks like.

```
.text, #text, p{  
    color:rgb(81, 135, 145)  
}
```

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(81, 135, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 135, 145) }
```

Border

The CSS property to change the border of an element to XYZ 17.1681, 21.1216, 29.9601 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(81, 135, 145) }
```


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

```
.border{ border-color:rgb(81, 135, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 135, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 135, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 135, 145);  
box-shadow:4px 4px 4px 4px rgb(81, 135,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1681, 21.1216, 29.9601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 135, 145) }
```

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

```
.background{ background-color: rgb(81, 135,  
145) }
```

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