

Converting Colors

XYZ(16.8987, 17.1224, 28.3217)

Have a look what the booklet for
XYZ(16.8987, 17.1224, 28.3217)
contains.

XYZ(16.9191, 17.0820, 28.3920)	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(16.9191, 17.0820,
28.3920)**

Conversions

Conversions Part 1

Format	Color
Hex	6A728F
RGB	106, 114, 143
RGB Percent	42%, 45%, 56%
CMY	0.5843, 0.5529, 0.4392
CMYK	0.26, 0.20, 0.00, 0.44
HSL	227°, 15%, 49%
HSV	227°, 26%, 56%
XYZ	16.9191, 17.0820, 28.3920
YIQ	114.9140, -14.0770, 7.3230

Conversions

Conversions Part 2

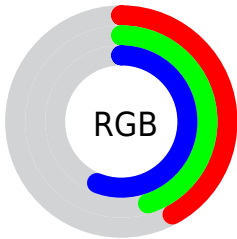
Format	Color
R _Y B	106, 113, 143
Decimal	6976143
CIE Lab	48.36, 3.84, -16.80
CIE LCh	48, 17.236, 282.866
Yxy	17.0820, 0.2712, 0.2738
Android (android.graphics.Color)	4285166223 (0xFF6A728F)
YUV	114.9140, 13.8464, -7.8176
Hunter-Lab	41.3304, 0.7430, -11.7981

Details

The XYZ color **16.9191, 17.0820, 28.3920** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.5933, 24.2082, 17.1180**, and the grayscale version is **16.2325, 17.0779, 18.5978**.

A 20% lighter version of the original color is **37.8148, 38.5728, 58.2756**, and **5.6689, 5.5863, 11.1354** is the 20% darker color. If you saturate the color by 10%, you get **14.1717, 13.9029, 27.9235**, and if you desaturate by 10%, it is **20.1059, 20.7184, 28.9262**.

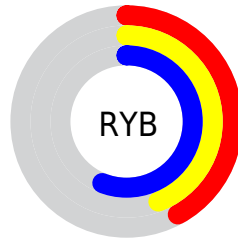
Distribution



Red (42%)

Green (45%)

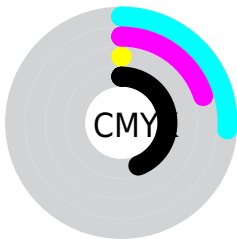
Blue (56%)



Red (42%)

Yellow (44%)

Blue (56%)

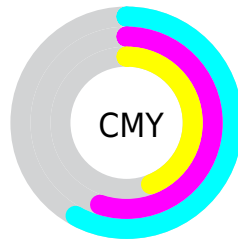


Cyan (26%)

Magenta (20%)

Yellow (0%)

Black (44%)



Cyan (58%)

Magenta (55%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9191, 17.0820, 28.3920 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 16.9191, 17.0820, 28.3920 by changing the saturation by 10% instead.

■ 16.9191, 17.0820,
28.3920

■ 16.9191, 17.0820,
28.3920

227.8711,
235.6445, 308.3060

■ 10.2718, 10.2930,
18.3798

■ 37.7313, 38.4667,
58.1403

■ 5.6432, 5.5936,
11.0507

■ 52.6270, 53.8312,
78.7134

■ 2.6679, 2.5996,
5.9864

■ 71.0027, 72.8229,
103.6439

■ 0.9807, 0.9265,
2.7681

■ 93.2240, 95.8263,
133.3503

■ 0.0000, 0.0000,
0.9775

119.6561,
123.2258, 168.2512

■ 0.0000, 0.0000,
0.0000

150.6644,

155.4057, 208.7651

186.6143,
192.7505, 255.3105

■ 16.9191, 17.0820,
28.3920

■ 16.9191, 17.0820,
28.3920

■ 14.1717, 13.9029,
27.9235

■ 20.1059, 20.7184,
28.9262

■ 11.8425, 11.1607,
27.5169

■ 23.7489, 24.8274,
29.5273

■ 9.9109, 8.8363,
27.1701

■ 27.8658, 29.4261,
30.1980

■ 8.3537, 6.9086,
26.8801

■ 32.4731, 34.5301,
30.9403

■ 7.1456, 5.3543,
26.6437

■ 37.5865, 40.1543,
31.7564

■ 6.2574, 4.1476,
26.4576

■ 43.2207, 46.3129,
32.6482

■ 5.6491, 3.2559,
26.3176

■ 49.3900, 53.0197,
33.6176

■ 5.4460, 2.9592,
26.2710

■ 56.1082, 60.2880,
34.6664

■ 63.3886, 68.1305,
35.7964

Harmonies

Analogous

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



15.3606, 17.0820, 28.1711



16.9191, 17.0820, 28.3920



18.3827, 17.0820, 25.7019

Triad

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



16.9191, 17.0820, 28.3920



18.5564, 17.0820, 13.3048



13.5125, 17.0820, 16.1613

Complementary

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



16.9191, 17.0820, 28.3920



22.5933, 24.2082, 17.1180

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.



14.2631, 17.0820, 12.9431



16.9191, 17.0820, 28.3920



17.1438, 17.0820, 11.4861

Square

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



16.9191, 17.0820, 28.3920



19.3683, 17.0820, 16.7356



15.5714, 17.0820, 11.3653



13.4609, 17.0820, 20.5966

Rectangle

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



16.9191, 17.0820, 28.3920



19.0806, 17.0820, 22.8385



15.5714, 17.0820, 11.3653



13.6891, 17.0820, 14.9203

Sweetspot

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



16.9196, 17.0827, 28.3924



40.9584, 42.6958, 52.6204



20.1387, 24.4582, 26.5753



9.1793, 9.5509, 12.0319



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.



16.9196, 17.0827, 28.3924



27.3613, 27.2021, 50.3465



17.3793, 16.0379, 28.1665



5.2183, 5.4324, 6.8023



4.8287, 2.6433, 23.2328



0.0599, 0.0527, 0.2267

Inverse Universe

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



19.5194, 17.3631, 18.2430



32.8653, 27.9330, 28.8284



22.0210, 25.6331, 17.4232



5.4537, 5.4420, 5.8870



10.2404, 5.2532, 1.6513



0.1048, 0.0530, 0.0522

Previews

White Background



This preview shows how the XYZ color 16.9191, 17.0820, 28.3920 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 × Fail

Black Background



This preview shows how the XYZ color 16.9191, 17.0820, 28.3920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

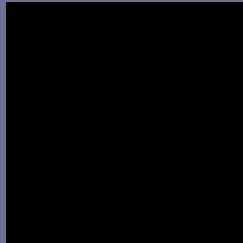
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

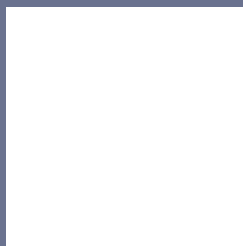
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9191, 17.0820, 28.3920

Background



This preview shows how black text looks on a background with the XYZ color 16.9191, 17.0820, 28.3920.



This preview shows how white text looks on a background with the XYZ color 16.9191, 17.0820,

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

16.9191, 17.0820, 28.3920

Protanopia

17.1596, 17.2059, 28.4033

Deuteranopia

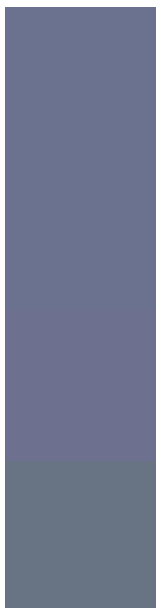
17.3076, 16.9510, 28.3463



Tritanopia

15.7207, 17.1125, 22.2131

Trichromacy



Original Color

16.9191, 17.0820, 28.3920

Protanomaly

17.0386, 17.1436, 28.3976

Deuteranomaly

17.1697, 17.0446, 28.3716

Tritanomaly

16.1192, 17.0998, 24.2808

Monochromacy



Original Color

16.9191, 17.0820, 28.3920

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.5145, 17.1869, 21.8490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9191, 17.0820, 28.3920 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(106, 114, 143)` looks like.

```
.text, #text, p{  
    color:rgb(106, 114, 143)  
}
```

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(106, 114, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 114, 143) }
```

Border

The CSS property to change the border of an element to XYZ 16.9191, 17.0820, 28.3920 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(106, 114, 143) }
```


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

```
.border{ border-color:rgb(106, 114, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 114, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 114, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 114, 143);  
box-shadow:4px 4px 4px 4px rgb(106, 114,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9191, 17.0820, 28.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 114, 143) }
```

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

```
.background{ background-color: rgb(106,  
114, 143) }
```

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