

Converting Colors

XYZ(16.0523, 21.8662, 21.1449)

Have a look what the booklet for
XYZ(16.0523, 21.8662, 21.1449)
contains.

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Color

**XYZ(15.9927, 21.7745,
21.1293)**

Conversions

Conversions Part 1

Format	Color
Hex	4F8C78
RGB	79, 140, 120
RGB Percent	31%, 55%, 47%
CMY	0.6902, 0.4510, 0.5294
CMYK	0.44, 0.00, 0.14, 0.45
HSL	160°, 28%, 43%
HSV	160°, 44%, 55%
XYZ	15.9927, 21.7745, 21.1293
YIQ	119.4810, -29.9360, -19.1520

Conversions

Conversions Part 2

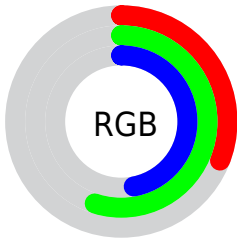
Format	Color
RYB	79, 115, 140
Decimal	5213304
CIELab	53.79, -24.77, 4.53
CIElCh	54, 25.182, 169.632
Yxy	21.7745, 0.2715, 0.3697
Android (android.graphics.Color)	4283403384 (0xFF4F8C78)
YUV	119.4810, 0.2559, -35.5018
Hunter-Lab	46.6632, -20.4838, 5.8174

Details

The XYZ color **15.9927, 21.7745, 21.1293** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.8641, 12.0688, 13.2986**, and the grayscale version is **17.6937, 18.6151, 20.2718**.

A 20% lighter version of the original color is **36.0983, 46.3874, 46.0808**, and **5.1681, 7.8322, 7.3703** is the 20% darker color. If you saturate the color by 10%, you get **14.6767, 21.1281, 19.6484**, and if you desaturate by 10%, it is **17.5685, 22.5545, 22.6930**.

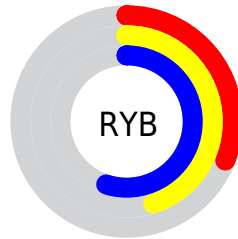
Distribution



Red (31%)

Green (55%)

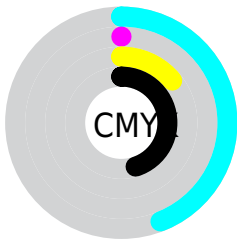
Blue (47%)



Red (31%)

Yellow (45%)

Blue (55%)

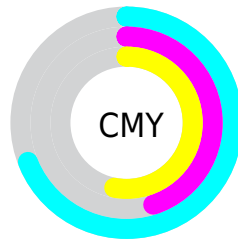


Cyan (44%)

Magenta (0%)

Yellow (14%)

Black (45%)



Cyan (69%)

Magenta (45%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9927, 21.7745, 21.1293 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 15.9927, 21.7745, 21.1293 by changing the saturation by 10% instead.

■ 15.9927, 21.7745,
21.1293

■ 15.9927, 21.7745,
21.1293

222.5699,
261.3664, 270.7684

■ 9.6098, 13.6913,
13.0264

■ 36.1431, 46.3730,
46.1862

■ 5.2013, 7.9063,
7.3158

■ 50.6413, 63.6571,
63.9773

■ 2.4018, 4.0350,
3.5789

■ 68.5753, 84.7770,
85.8348

■ 0.8460, 1.6932,
1.3973

■ 90.3104, 110.1170,
112.1774

■ 0.0000, 0.4192,
0.1396

■ 116.2121,
140.0615, 143.4235

■ 0.0000, 0.0000,
0.0000

146.6457,

174.9950, 179.9916

181.9765,
215.3018, 222.3005

■ 15.9927, 21.7745,
21.1293

■ 15.9927, 21.7745,
21.1293

■ 14.6767, 21.1281,
19.6484

■ 17.5685, 22.5545,
22.6930

■ 13.6031, 20.6045,
18.2472

■ 19.4167, 23.4727,
24.3398

■ 12.7549, 20.1957,
16.9242

■ 21.5512, 24.5370,
26.0715

■ 12.1122, 19.8913,
15.6777

■ 23.9844, 25.7536,
27.8897

■ 11.6511, 19.6790,
14.5055

■ 26.7279, 27.1286,
29.7959

■ 11.4032, 19.5668,
13.7884

■ 29.7927, 28.6675,
31.7914

■ 33.1893, 30.3759,
33.8776

■ 36.9277, 32.2588,
36.0558

■ 41.0174, 34.3210,
38.3272

Harmonies

Analogous

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



16.9832, 21.7745, 15.3152



15.9927, 21.7745, 21.1293



16.1763, 21.7745, 29.0698

Triad

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



15.9927, 21.7745, 21.1293



22.4918, 21.7745, 40.6744



24.2484, 21.7745, 14.0797

Complementary

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



15.9927, 21.7745, 21.1293



15.8641, 12.0688, 13.2986

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.



25.9877, 21.7745, 19.0510



15.9927, 21.7745, 21.1293



24.9140, 21.7745, 34.7162

Square

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



15.9927, 21.7745, 21.1293



19.7746, 21.7745, 41.5726



26.2414, 21.7745, 26.4900



21.6456, 21.7745, 11.8737

Rectangle

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



15.9927, 21.7745, 21.1293



16.9455, 21.7745, 34.5274



26.2414, 21.7745, 26.4900



24.9627, 21.7745, 15.4250

Sweetspot

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



15.9933, 21.7754, 21.1298



38.1141, 43.3180, 46.0565



15.9721, 21.9931, 10.8008



8.5991, 9.8900, 10.4691



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.9933, 21.7754, 21.1298



25.9751, 37.2975, 34.7606



15.9192, 19.4775, 27.7325



5.1043, 5.6612, 6.0700



10.1412, 17.3891, 12.3000



0.0741, 0.1182, 0.1173

Inverse Universe

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



15.8641, 12.0688, 13.2986



25.7248, 17.9333, 19.1747



15.8134, 13.3131, 9.1337



5.0961, 5.0739, 5.5945



10.0547, 5.1320, 2.7924



0.0730, 0.0366, 0.0512

Previews

White Background



This preview shows how the XYZ color 15.9927, 21.7745, 21.1293 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 15.9927, 21.7745, 21.1293 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 15.9927, 21.7745, 21.1293

Background



This preview shows how black text looks on a background with the XYZ color 15.9927, 21.7745, 21.1293.



This preview shows how white text looks on a background with the XYZ color 15.9927, 21.7745,

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

15.9927, 21.7745, 21.1293

Protanopia

20.5313, 21.6989, 18.7290

Deuteranopia

21.9381, 21.5961, 21.7511



Tritanopia

17.9084, 21.6933, 30.8471

Trichromacy



Original Color

15.9927, 21.7745, 21.1293

Protanomaly

18.3431, 21.3409, 19.6754

Deuteranomaly

19.1032, 21.2923, 21.5153

Tritanomaly

17.0283, 21.5365, 26.9264

Monochromacy



Original Color

15.9927, 21.7745, 21.1293

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.6281, 19.4537, 20.3313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9927, 21.7745, 21.1293 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(79, 140, 120)` looks like.

```
.text, #text, p{  
    color:rgb(79, 140, 120)  
}
```

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(79, 140, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 140, 120) }
```

Border

The CSS property to change the border of an element to XYZ 15.9927, 21.7745, 21.1293 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(79, 140, 120) }
```


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

```
.border{ border-color:rgb(79, 140, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 140, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 140, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 140, 120);  
box-shadow:4px 4px 4px 4px rgb(79, 140,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9927, 21.7745, 21.1293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 140, 120) }
```

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

```
.background{ background-color: rgb(79, 140,  
120) }
```

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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