

Converting Colors

XYZ(21.2001, 25.2960, 15.7074)

Have a look what the booklet for
XYZ(21.2001, 25.2960, 15.7074)
contains.

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Color

**XYZ(21.1760, 25.2321,
15.8108)**

Conversions

Conversions Part 1

Format	Color
Hex	818F64
RGB	129, 143, 100
RGB Percent	51%, 56%, 39%
CMY	0.4941, 0.4392, 0.6078
CMYK	0.10, 0.00, 0.30, 0.44
HSL	80°, 18%, 48%
HSV	80°, 30%, 56%
XYZ	21.1760, 25.2321, 15.8108
YIQ	133.9120, 5.4590, -16.3410

Conversions

Conversions Part 2

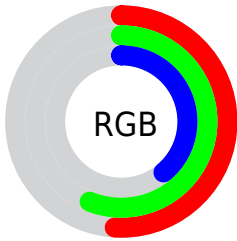
Format	Color
RYB	100, 143, 114
Decimal	8490852
CIELab	57.30, -12.84, 21.26
CIElCh	57, 24.835, 121.129
Yxy	25.2321, 0.3403, 0.4055
Android (android.graphics.Color)	4286680932 (0xFF818F64)
YUV	133.9120, -16.7186, -4.3078
Hunter-Lab	50.2316, -12.6554, 16.5001

Details

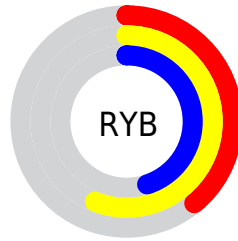
The XYZ color **21.1760, 25.2321, 15.8108** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.4554, 14.6756, 27.9533**, and the grayscale version is **22.6863, 23.8677, 25.9919**.

A 20% lighter version of the original color is **44.8436, 52.1120, 36.9733**, and **7.7814, 9.7480, 4.8396** is the 20% darker color. If you saturate the color by 10%, you get **19.8527, 24.6238, 12.4476**, and if you desaturate by 10%, it is **22.6544, 25.9079, 19.8165**.

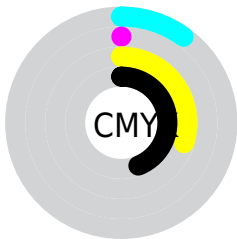
Distribution



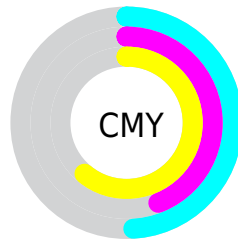
- Red (51%)
- Green (56%)
- Blue (39%)



- Red (39%)
- Yellow (56%)
- Blue (45%)



- Cyan (10%)
- Magenta (0%)
- Yellow (30%)
- Black (44%)



- Cyan (49%)
- Magenta (44%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1760, 25.2321, 15.8108 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 21.1760, 25.2321, 15.8108 by changing the saturation by 10% instead.

■ 21.1760, 25.2321,
15.8108

■ 21.1760, 25.2321,
15.8108

250.9264,
278.9919, 240.0302

■ 13.3659, 16.2501,
9.2375

■ 44.8693, 52.0335,
37.0316

■ 7.7597, 9.7013,
4.7975

■ 61.4833, 70.6217,
52.5162

■ 3.9921, 5.2013,
2.0723

■ 81.7626, 93.1807,
71.8083

■ 1.6977, 2.3659,
0.5992

■ 106.0725,
120.0949, 95.3264

■ 0.4548, 0.8083,
0.0000

134.7786,
151.7487, 123.4892

■ 0.0000, 0.0000,
0.0000

168.2460,

188.5265, 156.7150

206.8401,
230.8128, 195.4225

■ 21.1760, 25.2321,
15.8108

■ 21.1760, 25.2321,
15.8108

■ 19.8527, 24.6238,
12.4476

■ 22.6544, 25.9079,
19.8165

■ 18.6757, 24.0768,
9.6919

■ 24.2922, 26.6504,
24.4942

■ 17.6383, 23.5893,
7.5076

■ 26.0961, 27.4631,
29.8734

■ 16.7324, 23.1579,
5.8544

■ 28.0715, 28.3483,
35.9814

■ 15.9490, 22.7791,
4.6864

■ 30.2237, 29.3082,
42.8441

■ 15.2773, 22.4484,
3.9504

■ 32.5579, 30.3448,
50.4860

■ 14.6930, 22.1565,
3.5022

■ 35.0789, 31.4601,
58.9307

■ 37.7913, 32.6560,
68.2007

■ 40.6995, 33.9343,
78.3174

Harmonies

Analogous

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



23.8711, 25.2321, 14.2536



21.1760, 25.2321, 15.8108



19.3631, 25.2321, 20.3718

Triad

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



21.1760, 25.2321, 15.8108



21.3541, 25.2321, 44.2372



30.0924, 25.2321, 27.1556

Complementary

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



21.1760, 25.2321, 15.8108



16.4554, 14.6756, 27.9533

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.



29.2834, 25.2321, 36.0591



21.1760, 25.2321, 15.8108



24.0939, 25.2321, 47.0562

Square

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



21.1760, 25.2321, 15.8108



19.4599, 25.2321, 36.7256



27.0263, 25.2321, 43.8003



29.1563, 25.2321, 19.9224

Rectangle

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



21.1760, 25.2321, 15.8108



18.8175, 25.2321, 25.0507



27.0263, 25.2321, 43.8003



30.0151, 25.2321, 30.0476

Sweetspot

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



21.1766, 25.2332, 15.8113



43.7738, 47.8474, 44.6599



19.6030, 18.7088, 14.6350



9.9445, 10.9301, 9.9672



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.



21.1766, 25.2332, 15.8113



36.3062, 44.4437, 24.1606



18.2937, 23.7470, 15.6764



5.6712, 6.1986, 5.7869



13.0133, 19.6012, 3.0975



0.1476, 0.1994, 0.0307

Inverse Universe

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



16.4554, 14.6756, 27.9533



26.4692, 22.4366, 49.4736



19.5264, 16.2587, 28.0970



5.2847, 5.3349, 6.7800



5.4228, 2.2892, 23.1331



0.0731, 0.0328, 0.2222

Previews

White Background



This preview shows how the XYZ color 21.1760, 25.2321, 15.8108 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 21.1760, 25.2321, 15.8108 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

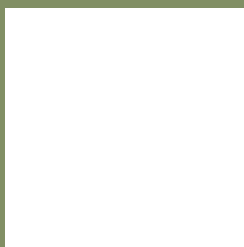
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1760, 25.2321, 15.8108

Background



This preview shows how black text looks on a background with the XYZ color 21.1760, 25.2321, 15.8108.



This preview shows how white text looks on a background with the XYZ color 21.1760, 25.2321,

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

21.1760, 25.2321, 15.8108

Protanopia

23.3630, 25.0691, 15.1627

Deuteranopia

25.5498, 25.1432, 16.0769



Tritanopia

24.4443, 25.2637, 31.6050

Trichromacy



Original Color

21.1760, 25.2321, 15.8108

Protanomaly

22.4693, 25.0288, 15.4512

Deuteranomaly

23.7308, 25.0319, 15.8928

Tritanomaly

23.0022, 25.0905, 25.1033

Monochromacy



Original Color

21.1760, 25.2321, 15.8108

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.9742, 24.2020, 21.9256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1760, 25.2321, 15.8108 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(129, 143, 100)` looks like.

```
.text, #text, p{  
    color:rgb(129, 143, 100)  
}
```

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(129, 143, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 143, 100) }
```

Border

The CSS property to change the border of an element to XYZ 21.1760, 25.2321, 15.8108 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(129, 143, 100) }
```


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

```
.border{ border-color:rgb(129, 143, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 143, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 143, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 143, 100);  
box-shadow:4px 4px 4px 4px rgb(129, 143,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1760, 25.2321, 15.8108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 143, 100) }
```

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

```
.background{ background-color: rgb(129,  
143, 100) }
```

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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