

Converting Colors

XYZ(21.1744, 28.7374, 30.8056)

Have a look what the booklet for
XYZ(21.1744, 28.7374, 30.8056)
contains.

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Color

**XYZ(21.1785, 28.7412,
30.8169)**

Conversions

Conversions Part 1

Format	Color
Hex	559F90
RGB	85, 159, 144
RGB Percent	33%, 62%, 56%
CMY	0.6667, 0.3765, 0.4353
CMYK	0.47, 0.00, 0.09, 0.38
HSL	168°, 30%, 48%
HSV	168°, 47%, 62%
XYZ	21.1785, 28.7412, 30.8169
YIQ	135.1640, -39.2890, -20.3530

Conversions

Conversions Part 2

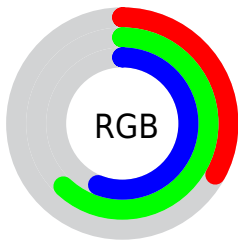
Format	Color
R_{YB}	85, 126, 159
Decimal	5611408
CIE _{Lab}	60.55, -26.84, 0.67
CIE _{LCh}	61, 26.851, 178.560
Yxy	28.7412, 0.2623, 0.3560
Android (android.graphics.Color)	4283801488 (0xFF559F90)
YUV	135.1640, 4.3561, -43.9938
Hunter-Lab	53.6108, -23.3040, 3.4461

Details

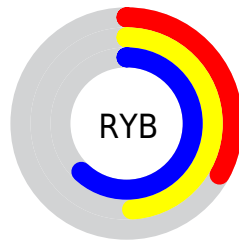
The XYZ color **21.1785, 28.7412, 30.8169** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.8478, 14.7888, 13.8662**, and the grayscale version is **23.0855, 24.2877, 26.4493**.

A 20% lighter version of the original color is **44.8871, 57.6593, 62.1896**, and **7.7570, 11.5704, 12.4142** is the 20% darker color. If you saturate the color by 10%, you get **19.6513, 27.9827, 29.4781**, and if you desaturate by 10%, it is **23.0387, 29.6720, 32.2092**.

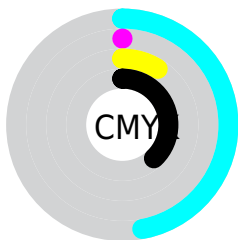
Distribution



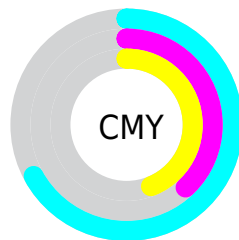
- Red (33%)
- Green (62%)
- Blue (56%)



- Red (33%)
- Yellow (49%)
- Blue (62%)



- Cyan (47%)
- Magenta (0%)
- Yellow (9%)
- Black (38%)



- Cyan (67%)
- Magenta (38%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1785, 28.7412, 30.8169 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 21.1785, 28.7412, 30.8169 by changing the saturation by 10% instead.

■ 21.1785, 28.7412,
30.8169

■ 21.1785, 28.7412,
30.8169

250.9394,
295.9919, 320.0189

■ 13.3677, 18.8851,
20.2022

■ 44.8735, 57.6656,
62.0279

■ 7.7610, 11.5873,
12.3566

■ 61.4884, 77.5028,
83.4612

■ 3.9929, 6.4633,
6.8615

■ 81.7687, 101.4358,
109.3378

■ 1.6981, 3.1288,
3.2985

■ 106.0799,
129.8490, 140.0762

■ 0.4551, 1.1993,
1.2490

134.7871,
163.1268, 176.0950

■ 0.0000, 0.0612,
0.0194

168.2559,

■ 0.0000, 0.0000,

201.6537, 217.8127

0.0000

206.8516,
245.8139, 265.6478

■ 21.1785, 28.7412,
30.8169

■ 21.1785, 28.7412,
30.8169

■ 19.6513, 27.9827,
29.4781

■ 23.0387, 29.6720,
32.2092

■ 18.4327, 27.3817,
28.1896

■ 25.2495, 30.7820,
33.6544

■ 17.4987, 26.9267,
26.9505

■ 27.8302, 32.0819,
35.1541

■ 16.8205, 26.6027,
25.7593

■ 30.7977, 33.5804,
36.7096

■ 16.3562, 26.3882,
24.6135

■ 34.1682, 35.2857,
38.3219

■ 16.2143, 26.3236,
24.2261

■ 37.9568, 37.2058,
39.9919

■ 42.1778, 39.3479,
41.7206

■ 46.8448, 41.7191,
43.5089

■ 51.9709, 44.3261,
45.3577

Harmonies

Analogous

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



22.0137, 28.7412, 22.3519



21.1785, 28.7412, 30.8169



21.8689, 28.7412, 41.3422

Triad

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



21.1785, 28.7412, 30.8169



30.6316, 28.7412, 51.2453



30.9459, 28.7412, 17.6638

Complementary

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



21.1785, 28.7412, 30.8169



19.8478, 14.7888, 13.8662

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.



33.6036, 28.7412, 23.0225



21.1785, 28.7412, 30.8169



33.4117, 28.7412, 42.3509

Square

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



21.1785, 28.7412, 30.8169



27.1504, 28.7412, 54.5337



34.5415, 28.7412, 31.7766



27.4855, 28.7412, 15.8209

Rectangle

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



21.1785, 28.7412, 30.8169



23.1374, 28.7412, 47.9066



34.5415, 28.7412, 31.7766



31.9733, 28.7412, 19.0491

Sweetspot

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



21.1793, 28.7423, 30.8176



50.9859, 58.0319, 63.5800



19.4093, 28.2220, 13.0193



11.2619, 12.9658, 14.2073



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.1793, 28.7423, 30.8176



35.0645, 50.0492, 52.6673



19.0985, 22.6221, 36.1621



6.7642, 7.4864, 8.1928



12.8212, 20.7964, 19.2134



0.2427, 0.3772, 0.4142

Inverse Universe

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



19.8478, 14.7888, 13.8662



32.3937, 21.8851, 18.5354



21.0893, 18.3289, 11.0212



6.6853, 6.6670, 7.1940



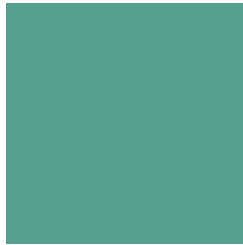
11.5142, 5.9103, 1.6930



0.2189, 0.1109, 0.0989

Previews

White Background



This preview shows how the XYZ color 21.1785, 28.7412, 30.8169 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 21.1785, 28.7412, 30.8169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

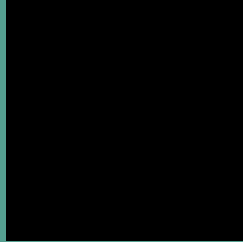
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.1785, 28.7412, 30.8169

Background



This preview shows how black text looks on a background with the XYZ color 21.1785, 28.7412, 30.8169.

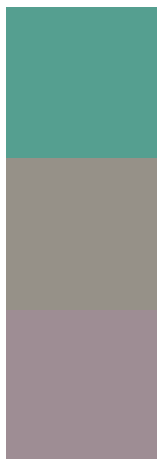


This preview shows how white text looks on a background with the XYZ color 21.1785, 28.7412,

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

21.1785, 28.7412, 30.8169

Protanopia

27.1470, 28.5124, 27.3652

Deuteranopia

28.9707, 28.4570, 31.9828



Tritanopia

23.2029, 28.5452, 41.3326

Trichromacy



Original Color

21.1785, 28.7412, 30.8169

Protanomaly

24.1707, 28.1124, 28.5784

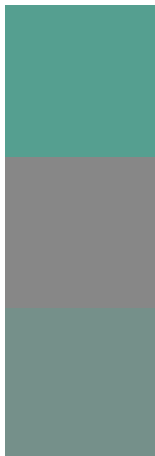
Deuteranomaly

25.2164, 28.1117, 31.7008

Tritanomaly

22.2663, 28.4040, 37.1098

Monochromacy



Original Color

21.1785, 28.7412, 30.8169

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.8968, 25.5634, 27.8249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1785, 28.7412, 30.8169 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(85, 159, 144)` looks like.

```
.text, #text, p{  
    color:rgb(85, 159, 144)  
}
```

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(85, 159, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 159, 144) }
```

Border

The CSS property to change the border of an element to XYZ 21.1785, 28.7412, 30.8169 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(85, 159, 144) }
```


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

```
.border{ border-color:rgb(85, 159, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 159, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 159, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 159, 144);  
box-shadow:4px 4px 4px 4px rgb(85, 159,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1785, 28.7412, 30.8169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 159, 144) }
```

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

```
.background{ background-color: rgb(85, 159,  
144) }
```

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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