

Converting Colors

XYZ(21.1477, 21.8038, 34.5464)

Have a look what the booklet for
XYZ(21.1477, 21.8038, 34.5464)
contains.

XYZ(21.1871, 21.8827, 34.5596)	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(21.1871, 21.8827,
34.5596)**

Conversions

Conversions Part 1

Format	Color
Hex	75819C
RGB	117, 129, 156
RGB Percent	46%, 51%, 61%
CMY	0.5412, 0.4941, 0.3882
CMYK	0.25, 0.17, 0.00, 0.39
HSL	222°, 16%, 54%
HSV	222°, 25%, 61%
XYZ	21.1871, 21.8827, 34.5596
YIQ	128.4900, -15.8190, 5.8530

Conversions

Conversions Part 2

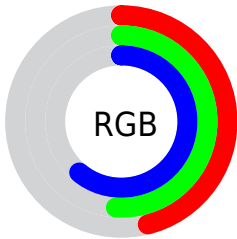
Format	Color
R_{YB}	117, 126, 156
Decimal	7700892
CIE Lab	53.90, 1.86, -15.91
CIE LCh	54, 16.014, 276.681
Yxy	21.8827, 0.2729, 0.2819
Android (android.graphics.Color)	4285890972 (0xFF75819C)
YUV	128.4900, 13.5624, -10.0767
Hunter-Lab	46.7789, -1.0170, -11.0573

Details

The XYZ color **21.1871, 21.8827, 34.5596** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **26.8947, 28.2989, 20.8749**, and the grayscale version is **20.6468, 21.7221, 23.6553**.

A 20% lighter version of the original color is **45.0634, 46.7051, 68.2679**, and **7.8024, 7.9862, 14.4949** is the 20% darker color. If you saturate the color by 10%, you get **17.9151, 18.1950, 34.0206**, and if you desaturate by 10%, it is **24.9602, 26.0530, 35.1660**.

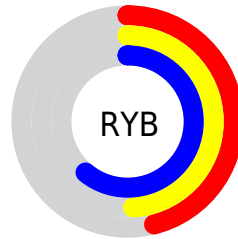
Distribution



Red (46%)

Green (51%)

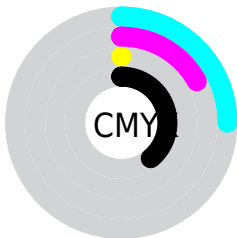
Blue (61%)



Red (46%)

Yellow (49%)

Blue (61%)

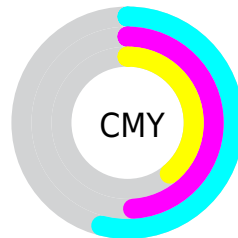


Cyan (25%)

Magenta (17%)

Yellow (0%)

Black (39%)



Cyan (54%)

Magenta (49%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1871, 21.8827, 34.5596 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 21.1871, 21.8827, 34.5596 by changing the saturation by 10% instead.

■ 21.1871, 21.8827,
34.5596

■ 21.1871, 21.8827,
34.5596

250.9841,
261.9331, 337.4651

■ 13.3741, 13.7707,
23.0430

■ 44.8876, 46.5521,
67.9468

■ 7.7654, 7.9614,
14.4197

■ 61.5059, 63.8782,
90.6544

■ 3.9957, 4.0702,
8.2710

■ 81.7899, 85.0446,
117.9295

■ 1.6997, 1.7129,
4.1786

106.1050,
110.4355, 150.1905

■ 0.4561, 0.4320,
1.7238

134.8167,
140.4355, 187.8561

■ 0.0000, 0.0000,
0.3770

168.2902,

■ 0.0000, 0.0000,

175.4288, 231.3447

0.0000

206.8909,
215.7999, 281.0748

■ 21.1871, 21.8827,
34.5596

■ 21.1871, 21.8827,
34.5596

■ 17.9151, 18.1950,
34.0206

■ 24.9602, 26.0530,
35.1660

■ 15.1202, 14.9691,
33.5453

■ 29.2528, 30.7203,
35.8407

■ 12.7794, 12.1863,
33.1315

■ 34.0850, 35.9021,
36.5862

■ 10.8668, 9.8257,
32.7767

■ 39.4751, 41.6136,
37.4045

■ 9.3540, 7.8645,
32.4779

■ 45.4407, 47.8699,
38.2977

■ 8.2084, 6.2772,
32.2319

■ 51.9983, 54.6852,
39.2676

■ 7.3901, 5.0340,
32.0350

■ 59.1640, 62.0732,
40.3159

■ 7.0580, 4.5147,
31.9523

■ 66.9532, 70.0471,
41.4445

■ 74.4913, 78.1612,
42.6134

Harmonies

Analogous

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



19.5135, 21.8827, 33.6562



21.1871, 21.8827, 34.5596



22.8435, 21.8827, 32.2840

Triad

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



21.1871, 21.8827, 34.5596



23.5735, 21.8827, 18.5913



17.8996, 21.8827, 20.2612

Complementary

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



21.1871, 21.8827, 34.5596



26.8947, 28.2989, 20.8749

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.



18.8800, 21.8827, 16.9924



21.1871, 21.8827, 34.5596



22.1394, 21.8827, 16.1255

Square

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



21.1871, 21.8827, 34.5596



24.2696, 21.8827, 22.7385



20.4154, 21.8827, 15.5834



17.6758, 21.8827, 24.9488

Rectangle

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



21.1871, 21.8827, 34.5596



23.6950, 21.8827, 29.4337



20.4154, 21.8827, 15.5834



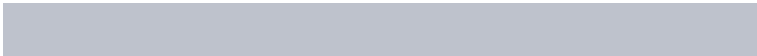
18.1488, 21.8827, 18.9810

Sweetspot

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



21.1878, 21.8836, 34.5601



51.3816, 53.9052, 64.8234



24.2324, 29.5622, 30.6749



11.2129, 11.7605, 14.2494



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.1878, 21.8836, 34.5601



35.0479, 35.8929, 62.2075



20.6964, 19.4197, 34.1104



6.4430, 6.7517, 8.3703



5.8413, 3.7742, 26.3279



0.1395, 0.1376, 0.4824

Inverse Universe

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



24.0346, 21.3760, 23.6290



41.1833, 35.0179, 38.6000



27.4669, 31.4372, 21.4505



6.7129, 6.6781, 7.3394



11.7466, 6.0032, 2.9169



0.2277, 0.1144, 0.1453

Previews

White Background



This preview shows how the XYZ color 21.1871, 21.8827, 34.5596 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 21.1871, 21.8827, 34.5596 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

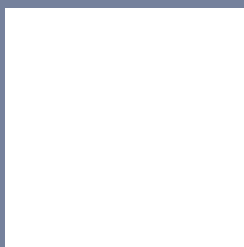
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1871, 21.8827, 34.5596

Background



This preview shows how black text looks on a background with the XYZ color 21.1871, 21.8827, 34.5596.



This preview shows how white text looks on a background with the XYZ color 21.1871, 21.8827,

34.5596.

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

21.1871, 21.8827, 34.5596

Protanopia

21.6741, 21.7563, 34.0674

Deuteranopia

22.2991, 21.8681, 34.9440



Tritanopia

19.9382, 21.7630, 28.7410

Trichromacy



Original Color

21.1871, 21.8827, 34.5596

Protanomaly

21.5207, 21.8698, 34.0974

Deuteranomaly

21.8436, 21.8240, 34.9595

Tritanomaly

20.3193, 21.7167, 30.7246

Monochromacy



Original Color

21.1871, 21.8827, 34.5596

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.6188, 21.5584, 27.1192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1871, 21.8827, 34.5596 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(117, 129, 156)` looks like.

```
.text, #text, p{  
    color:rgb(117, 129, 156)  
}
```

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(117, 129, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 129, 156) }
```

Border

The CSS property to change the border of an element to XYZ 21.1871, 21.8827, 34.5596 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(117, 129, 156) }
```


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

```
.border{ border-color:rgb(117, 129, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 129, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 129, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 129, 156);  
box-shadow:4px 4px 4px 4px rgb(117, 129,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1871, 21.8827, 34.5596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 129, 156) }
```

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

```
.background{ background-color: rgb(117,  
129, 156) }
```

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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