

Converting Colors

XYZ(21.5488, 11.1088, 1.0087)

Have a look what the booklet for
XYZ(21.5488, 11.1088, 1.0087)
contains.

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Color

**XYZ(21.4859, 11.0764,
1.0055)**

Conversions

Conversions Part 1

Format	Color
Hex	BF0000
RGB	191, 0, 0
RGB Percent	75%, 0%, 0%
CMY	0.2510, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.25
HSL	0°, 100%, 37%
HSV	0°, 100%, 75%
XYZ	21.4859, 11.0764, 1.0055
YIQ	57.1090, 113.8360, 40.4920

Conversions

Conversions Part 2

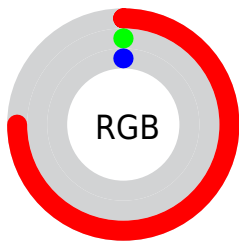
Format	Color
RYB	191, 0, 0
Decimal	12517376
CIELab	39.71, 64.46, 54.09
CIELCh	40, 84.148, 40.000
Yxy	11.0764, 0.6401, 0.3300
Android (android.graphics.Color)	4290707456 (0xFFBF0000)
YUV	57.1090, -28.1547, 117.4224
Hunter-Lab	33.2812, 56.9950, 21.5056

Details

The XYZ color **21.4859, 11.0764, 1.0055** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **28.0263, 41.0064, 55.7278**, and the grayscale version is **3.9315, 4.1362, 4.5043**.

A 20% lighter version of the original color is **44.8548, 27.5336, 6.0824**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **21.4861, 11.0771, 1.0057**, and if you desaturate by 10%, it is **21.8393, 11.5939, 1.7074**.

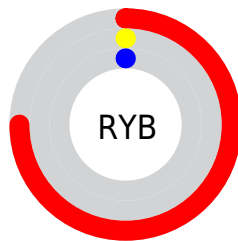
Distribution



Red (75%)

Green (0%)

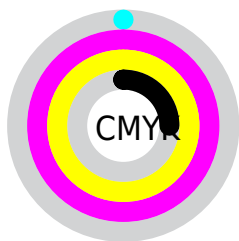
Blue (0%)



Red (75%)

Yellow (0%)

Blue (0%)

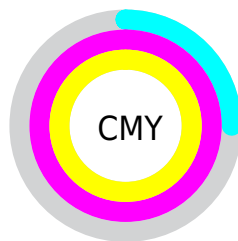


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4859, 11.0764, 1.0055 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 21.4859, 11.0764, 1.0055 by changing the saturation by 10% instead.


 21.4859, 11.0764,
1.0055


 21.4859, 11.0764,
1.0055


 252.5328,
198.1910, 104.2666


 13.5941, 6.1182,
0.0000


 45.3800, 27.8014,
6.0797


 7.9187, 2.9171,
0.0000


 62.1131, 40.3369,
11.1910


 4.0944, 1.0886,
0.0000

 82.5239, 56.1671,
18.5766

 1.7557, 0.0000,
0.0000

 106.9780, 75.6763,
28.6549


 0.4907, 0.0000,
0.0000


 135.8405, 99.2489,
41.8446


 0.0000, 0.0000,
0.0000


 169.4769,


127.2693, 58.5640


 208.2525,
160.1218, 79.2319


 21.4859, 11.0764,
1.0055


 21.4859, 11.0764,
1.0055


 21.4861, 11.0771,
1.0057

 21.8393, 11.5939,
1.7074

 22.5393, 12.6185,
3.0983

 23.7111, 14.3333,
5.4271

 25.4178, 16.8310,
8.8196

 27.7132, 20.1898,
13.3823

■ 30.6441, 24.4787,
19.2089

■ 34.2531, 29.7596,
26.3834

■ 38.5786, 36.0890,
34.9828

■ 43.6566, 43.5192,
45.0782

Harmonies

Analogous

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



25.6218, 11.0764, 7.3508



21.4859, 11.0764, 1.0055



14.7850, 11.0764, 0.0000

Triad

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



21.4859, 11.0764, 1.0055



3.1763, 11.0764, 4.1432



12.5691, 11.0764, 77.9542

Complementary

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



21.4859, 11.0764, 1.0055



28.0263, 41.0064, 55.7278

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.



7.1780, 11.0764, 73.0970



21.4859, 11.0764, 1.0055



2.9569, 11.0764, 18.4446

Square

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



21.4859, 11.0764, 1.0055



4.8957, 11.0764, 0.2799



4.1217, 11.0764, 46.0631



19.3650, 11.0764, 56.2832

Rectangle

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



21.4859, 11.0764, 1.0055



10.5277, 11.0764, 0.0000



4.1217, 11.0764, 46.0631



10.5279, 11.0764, 79.6373

Sweetspot

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



21.4861, 11.0771, 1.0057



61.0124, 52.8090, 46.5862



30.8896, 14.8379, 50.5258



12.7639, 10.6689, 8.9698



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.4861, 11.0771, 1.0057



38.4819, 19.8389, 1.8011



25.6231, 19.3510, 2.3846



9.5303, 9.5367, 9.9151



14.1206, 7.2799, 0.6609



0.5532, 0.2853, 0.0259

Inverse Universe

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



28.0263, 41.0064, 55.7278



50.1954, 73.4427, 99.8094



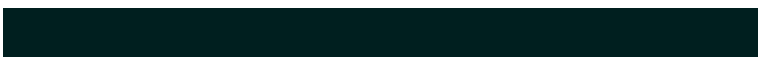
13.5413, 12.0363, 50.8994



9.8085, 10.8092, 12.2416



18.4187, 26.9492, 36.6238



0.7215, 1.0557, 1.4346

Previews

White Background



This preview shows how the XYZ color 21.4859, 11.0764, 1.0055 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



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 21.4859, 11.0764, 1.0055

Background



This preview shows how black text looks on a background with the XYZ color 21.4859, 11.0764, 1.0055.



This preview shows how white text looks on a background with the XYZ color 21.4859, 11.0764,

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

21.4859, 11.0764, 1.0055

Protanopia

10.6345, 11.8077, 2.6383

Deuteranopia

11.7123, 11.7192, 1.6447



Tritanopia

21.4515, 11.3798, 1.0659

Trichromacy



Original Color

21.4859, 11.0764, 1.0055

Protanomaly

12.2974, 8.8859, 1.5572

Deuteranomaly

13.4180, 9.2389, 1.0761

Tritanomaly

21.3549, 11.1865, 1.0337

Monochromacy



Original Color

21.4859, 11.0764, 1.0055

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.8932, 4.4533, 2.1653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4859, 11.0764, 1.0055 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(191, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 0)  
}
```

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(191, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.4859, 11.0764, 1.0055 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(191, 0, 0) }
```


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

```
.border{ border-color:rgb(191, 0, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(191, 0, 0); box-shadow:4px  
4px 4px 4px rgb(191, 0, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4859, 11.0764, 1.0055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 0) }
```

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

```
.background{ background-color: rgb(191, 0,  
0) }
```

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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