

Converting Colors

XYZ(21.6556, 11.3225, 1.0441)

Have a look what the booklet for
XYZ(21.6556, 11.3225, 1.0441)
contains.

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Color

**XYZ(21.5944, 11.2934,
1.0417)**

Conversions

Conversions Part 1

Format	Color
Hex	BF0A00
RGB	191, 10, 0
RGB Percent	75%, 4%, 0%
CMY	0.2510, 0.9606, 1.0000
CMYK	0.00, 0.95, 1.00, 0.25
HSL	3°, 100%, 37%
HSV	3°, 100%, 75%
XYZ	21.5944, 11.2934, 1.0417
YIQ	62.9790, 111.0860, 35.2620

Conversions

Conversions Part 2

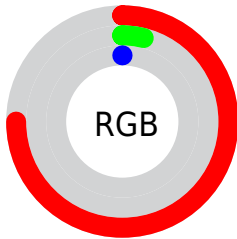
Format	Color
RYB	191, 11, 0
Decimal	12519936
CIELab	40.07, 63.41, 54.22
CIELCh	40, 83.431, 40.528
Yxy	11.2934, 0.6364, 0.3328
Android (android.graphics.Color)	4290710016 (0xFFBF0A00)
YUV	62.9790, -31.0486, 112.2744
Hunter-Lab	33.6057, 55.8911, 21.6861

Details

The XYZ color **21.5944, 11.2934, 1.0417** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **25.9209, 36.7954, 55.0259**, and the grayscale version is **4.7571, 5.0049, 5.4503**.

A 20% lighter version of the original color is **45.0860, 27.9960, 6.1594**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **21.5946, 11.2941, 1.0418**, and if you desaturate by 10%, it is **22.0225, 11.9604, 1.7685**.

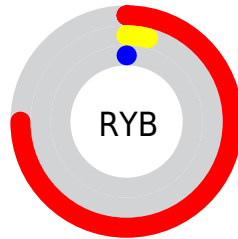
Distribution



Red (75%)

Green (4%)

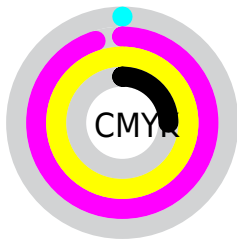
Blue (0%)



Red (75%)

Yellow (4%)

Blue (0%)

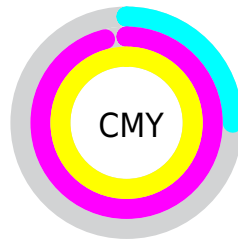


Cyan (0%)

Magenta (95%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (96%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5944, 11.2934, 1.0417 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 21.5944, 11.2934, 1.0417 by changing the saturation by 10% instead.


 21.5944, 11.2934,
1.0417


 21.5944, 11.2934,
1.0417


 253.0931,
199.6695, 105.0582


 13.6741, 6.2645,
0.0000


 45.5586, 28.2015,
6.1992


 7.9745, 3.0066,
0.0000


 62.3332, 40.8494,
11.3703


 4.1303, 1.1352,
0.0000


 82.7899, 56.8059,
18.8277

 1.7761, 0.0078,
0.0000

 107.2941, 76.4553,
28.9900

 0.5032, 0.0000,
0.0000


 136.2112,
100.1819, 42.2756


 0.0000, 0.0000,
0.0000


 169.9065,


128.3703, 59.1032


 208.7453,
161.4047, 79.8912


 21.5944, 11.2934,
1.0417


 21.5944, 11.2934,
1.0417


 21.5946, 11.2941,
1.0418

 22.0225, 11.9604,
1.7685

 22.8247, 13.1894,
3.1936

 24.0835, 15.0782,
5.5514

 25.8533, 17.7020,
8.9650

 28.1811, 21.1256,
13.5385

■ 31.1083, 25.4069,
19.3639

■ 34.6725, 30.5983,
26.5236

■ 38.9083, 36.7482,
35.0931

■ 43.8477, 43.9013,
45.1424

Harmonies

Analogous

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



25.7923, 11.2934, 7.3485



21.5944, 11.2934, 1.0417



14.8824, 11.2934, 0.0000

Triad

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



21.5944, 11.2934, 1.0417



3.2944, 11.2934, 4.4444



12.8960, 11.2934, 77.6670

Complementary

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



21.5944, 11.2934, 1.0417



25.9209, 36.7954, 55.0259

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.



7.4385, 11.2934, 73.3588



21.5944, 11.2934, 1.0417



3.0945, 11.2934, 19.0793

Square

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



21.5944, 11.2934, 1.0417



5.0096, 11.2934, 0.3966



4.3077, 11.2934, 46.7557



19.6994, 11.2934, 55.8394

Rectangle

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



21.5944, 11.2934, 1.0417



10.6319, 11.2934, 0.0000



4.3077, 11.2934, 46.7557



10.8369, 11.2934, 79.5081

Sweetspot

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



21.5946, 11.2941, 1.0418



61.7689, 54.3219, 46.8384



29.8724, 14.4310, 45.1693



12.9392, 11.0196, 9.0282



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.



21.5946, 11.2941, 1.0418



38.6252, 20.1255, 1.8488



26.5424, 21.1897, 2.6911



9.5693, 9.6146, 9.9281



14.2104, 7.4595, 0.6909



0.5705, 0.3200, 0.0317

Inverse Universe

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



25.9209, 36.7954, 55.0259



46.3669, 65.7857, 98.5333



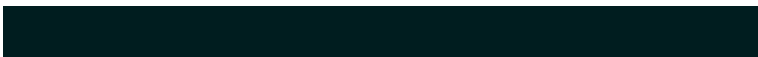
12.7277, 10.4092, 50.6282



9.7645, 10.7213, 12.2270



17.0538, 24.2193, 36.1689



0.6813, 0.9752, 1.4212

Previews

White Background



This preview shows how the XYZ color 21.5944, 11.2934, 1.0417 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 21.5944, 11.2934, 1.0417

Background



This preview shows how black text looks on a background with the XYZ color 21.5944, 11.2934, 1.0417.



This preview shows how white text looks on a background with the XYZ color 21.5944, 11.2934,

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

21.5944, 11.2934, 1.0417

Protanopia

10.6345, 11.8077, 2.6383

Deuteranopia

11.8532, 11.7919, 1.6513



Tritanopia

21.4357, 11.3480, 1.0606

Trichromacy



Original Color

21.5944, 11.2934, 1.0417

Protanomaly

12.4651, 9.2213, 1.6131

Deuteranomaly

13.7552, 9.6483, 1.1373

Tritanomaly

21.3922, 11.2612, 1.0461

Monochromacy



Original Color

21.5944, 11.2934, 1.0417

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.7141, 5.2696, 2.6180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5944, 11.2934, 1.0417 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, 10, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 10, 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, 10, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 10, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.5944, 11.2934, 1.0417 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, 10, 0) }
```


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

```
.border{ border-color:rgb(191, 10, 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, 10, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 10, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 10, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 10, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.5944, 11.2934, 1.0417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 10, 0) }
```

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

```
.background{ background-color: rgb(191, 10,  
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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