

Converting Colors

XYZ(21.5873, 11.1859, 1.0213)

Have a look what the booklet for
XYZ(21.5873, 11.1859, 1.0213)
contains.

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Color

**XYZ(21.5293, 11.1632,
1.0200)**

Conversions

Conversions Part 1

Format	Color
Hex	BF0400
RGB	191, 4, 0
RGB Percent	75%, 2%, 0%
CMY	0.2510, 0.9842, 1.0000
CMYK	0.00, 0.98, 1.00, 0.25
HSL	1°, 100%, 37%
HSV	1°, 100%, 75%
XYZ	21.5293, 11.1632, 1.0200
YIQ	59.4570, 112.7360, 38.4000

Conversions

Conversions Part 2

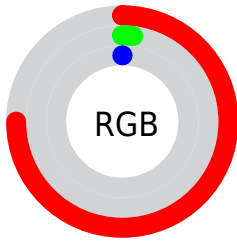
Format	Color
RYB	191, 4, 0
Decimal	12518400
CIELab	39.85, 64.04, 54.14
CIElCh	40, 83.858, 40.211
Yxy	11.1632, 0.6386, 0.3311
Android (android.graphics.Color)	4290708480 (0xFFBF0400)
YUV	59.4570, -29.3123, 115.3632
Hunter-Lab	33.4114, 56.5502, 21.5779

Details

The XYZ color **21.5293, 11.1632, 1.0200** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **27.1666, 39.2869, 55.4412**, and the grayscale version is **4.2507, 4.4721, 4.8701**.

A 20% lighter version of the original color is **44.9308, 27.6855, 6.1077**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **21.5295, 11.1639, 1.0201**, and if you desaturate by 10%, it is **21.9052, 11.7259, 1.7294**.

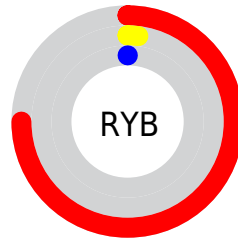
Distribution



Red (75%)

Green (2%)

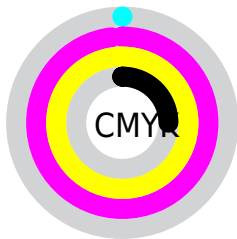
Blue (0%)



Red (75%)

Yellow (2%)

Blue (0%)

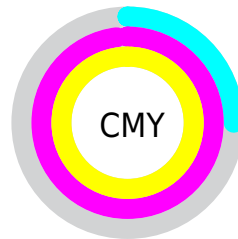


Cyan (0%)

Magenta (98%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (98%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5293, 11.1632, 1.0200 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 21.5293, 11.1632, 1.0200 by changing the saturation by 10% instead.


 21.5293, 11.1632,
1.0200


 21.5293, 11.1632,
1.0200


 252.7570,
198.7838, 104.5855


 13.6261, 6.1767,
0.0000


 45.4515, 27.9616,
6.1277


 7.9410, 2.9528,
0.0000

 62.2011, 40.5422,
11.2631


 4.1087, 1.1072,
0.0000

 82.6304, 56.4231,
18.6776

 1.7638, 0.0000,
0.0000

 107.1045, 75.9885,
28.7898

 0.4957, 0.0000,
0.0000


 135.9889, 99.6229,
42.0181


 0.0000, 0.0000,
0.0000


 169.6488,


127.7106, 58.7811


 208.4498,
160.6361, 79.4974


 21.5293, 11.1632,
1.0200


 21.5293, 11.1632,
1.0200


 21.5295, 11.1639,
1.0201

 21.9052, 11.7259,
1.7294

 22.6467, 12.8333,
3.1342

 23.8542, 14.6196,
5.4750

 25.5874, 17.1700,
8.8763

 27.8969, 20.5572,
13.4438

■ 30.8275, 24.8453,
19.2703

■ 34.4195, 30.0924,
26.4392

■ 38.7100, 36.3515,
35.0270

■ 43.7330, 43.6719,
45.1042

Harmonies

Analogous

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



25.6900, 11.1632, 7.3500



21.5293, 11.1632, 1.0200



14.8240, 11.1632, 0.0000

Triad

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



21.5293, 11.1632, 1.0200



3.2234, 11.1632, 4.2624



12.6996, 11.1632, 77.8375

Complementary

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



21.5293, 11.1632, 1.0200



27.1666, 39.2869, 55.4412

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.



7.2819, 11.1632, 73.2007



21.5293, 11.1632, 1.0200



3.0117, 11.1632, 18.6975

Square

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



21.5293, 11.1632, 1.0200



4.9413, 11.1632, 0.3268



4.1958, 11.1632, 46.3396



19.4986, 11.1632, 56.1041

Rectangle

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



21.5293, 11.1632, 1.0200



10.5695, 11.1632, 0.0000



4.1958, 11.1632, 46.3396



10.6512, 11.1632, 79.5840

Sweetspot

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



21.5295, 11.1639, 1.0201



61.3123, 53.4089, 46.6862



30.5430, 14.6992, 48.7005



12.8333, 10.8077, 8.9929



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.



21.5295, 11.1639, 1.0201



38.5381, 19.9513, 1.8198



25.9176, 19.9401, 2.4828



9.5459, 9.5678, 9.9203



14.1565, 7.3518, 0.6729



0.5601, 0.2992, 0.0282

Inverse Universe

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



27.1666, 39.2869, 55.4412



48.6315, 70.3150, 99.2881



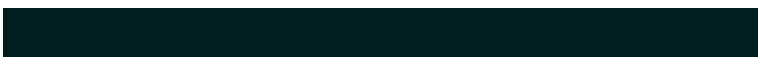
13.2586, 11.4709, 50.8052



9.7908, 10.7740, 12.2358



17.8615, 25.8348, 36.4381



0.7052, 1.0230, 1.4292

Previews

White Background



This preview shows how the XYZ color 21.5293, 11.1632, 1.0200 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 21.5293, 11.1632, 1.0200

Background



This preview shows how black text looks on a background with the XYZ color 21.5293, 11.1632, 1.0200.



This preview shows how white text looks on a background with the XYZ color 21.5293, 11.1632,

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

21.5293, 11.1632, 1.0200

Protanopia

10.6345, 11.8077, 2.6383

Deuteranopia

11.7123, 11.7192, 1.6447



Tritanopia

21.4515, 11.3798, 1.0659

Trichromacy



Original Color

21.5293, 11.1632, 1.0200

Protanomaly

12.3523, 8.9957, 1.5755

Deuteranomaly

13.4699, 9.3427, 1.0934

Tritanomaly

21.3791, 11.2350, 1.0418

Monochromacy



Original Color

21.5293, 11.1632, 1.0200

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

7.1388, 4.7168, 2.3679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5293, 11.1632, 1.0200 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, 4, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 4, 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, 4, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 21.5293, 11.1632, 1.0200 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, 4, 0) }
```


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

```
.border{ border-color:rgb(191, 4, 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, 4, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 21.5293, 11.1632, 1.0200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 4, 0) }
```

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

```
.background{ background-color: rgb(191, 4,  
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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