

Converting Colors

XYZ(21.6400, 11.3782, 1.0557)

Have a look what the booklet for
XYZ(21.6400, 11.3782, 1.0557)
contains.

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Color

**XYZ(21.6298, 11.3642,
1.0535)**

Conversions

Conversions Part 1

Format	Color
Hex	BF0D00
RGB	191, 13, 0
RGB Percent	75%, 5%, 0%
CMY	0.2510, 0.9489, 1.0000
CMYK	0.00, 0.93, 1.00, 0.25
HSL	4°, 100%, 37%
HSV	4°, 100%, 75%
XYZ	21.6298, 11.3642, 1.0535
YIQ	64.7400, 110.2610, 33.6930

Conversions

Conversions Part 2

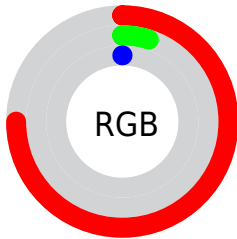
Format	Color
R_{YB}	191, 14, 0
Decimal	12520704
CIE Lab	40.19, 63.08, 54.26
CIE LCh	40, 83.202, 40.701
Yxy	11.3642, 0.6353, 0.3338
Android (android.graphics.Color)	4290710784 (0xFFBF0D00)
YUV	64.7400, -31.9168, 110.7300
Hunter-Lab	33.7108, 55.5366, 21.7447

Details

The XYZ color **21.6298, 11.3642, 1.0535** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **25.3183, 35.5903, 54.8251**, and the grayscale version is **5.0226, 5.2842, 5.7544**.

A 20% lighter version of the original color is **45.1653, 28.1546, 6.1859**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **21.6300, 11.3649, 1.0536**, and if you desaturate by 10%, it is **22.0896, 12.0947, 1.7909**.

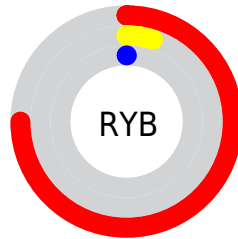
Distribution



Red (75%)

Green (5%)

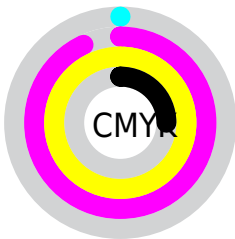
Blue (0%)



Red (75%)

Yellow (5%)

Blue (0%)

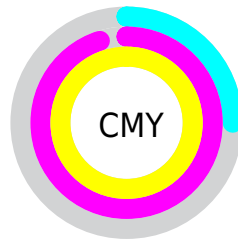


Cyan (0%)

Magenta (93%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (95%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6298, 11.3642, 1.0535 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 21.6298, 11.3642, 1.0535 by changing the saturation by 10% instead.


 21.6298, 11.3642,
1.0535


 21.6298, 11.3642,
1.0535


 253.2757,
200.1494, 105.3132


 13.7002, 6.3124,
0.0000


 45.6168, 28.3317,
6.2379

 7.9928, 3.0359,
0.0000


 62.4049, 41.0161,
11.4283


 4.1421, 1.1505,
0.0000


 82.8766, 57.0136,
18.9088

 1.7828, 0.0207,
0.0000

 107.3972, 76.7084,
29.0981


 0.5073, 0.0000,
0.0000


 136.3320,
100.4850, 42.4146


 0.0000, 0.0000,
0.0000


 170.0465,


128.7278, 59.2770


 208.9059,
161.8211, 80.1036


 21.6298, 11.3642,
1.0535


 21.6298, 11.3642,
1.0535


 21.6300, 11.3649,
1.0536

 22.0896, 12.0947,
1.7909

 22.9215, 13.3829,
3.2258

 24.2047, 15.3206,
5.5918

 25.9915, 17.9783,
9.0110

 28.3270, 21.4175,
13.5872

■ 31.2512, 25.6928,
19.4115

■ 34.8005, 30.8543,
26.5662

■ 39.0081, 36.9478,
35.1264

■ 43.9052, 44.0163,
45.1616

Harmonies

Analogous

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



25.8480, 11.3642, 7.3476



21.6298, 11.3642, 1.0535



14.9140, 11.3642, 0.0000

Triad

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



21.6298, 11.3642, 1.0535



3.3332, 11.3642, 4.5448



13.0031, 11.3642, 77.5762

Complementary

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



21.6298, 11.3642, 1.0535



25.3183, 35.5903, 54.8251

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.



7.5241, 11.3642, 73.4457



21.6298, 11.3642, 1.0535



3.1398, 11.3642, 19.2880

Square

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



21.6298, 11.3642, 1.0535



5.0468, 11.3642, 0.4343



4.3690, 11.3642, 46.9824



19.8086, 11.3642, 55.6975

Rectangle

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



21.6298, 11.3642, 1.0535



10.6657, 11.3642, 0.0000



4.3690, 11.3642, 46.9824



10.9381, 11.3642, 79.4685

Sweetspot

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



21.6300, 11.3649, 1.0537



61.9998, 54.7839, 46.9154



29.5484, 14.3014, 43.4628



12.9930, 11.1270, 9.0461



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.



21.6300, 11.3649, 1.0537



38.6798, 20.2349, 1.8671



26.8729, 21.8507, 2.8013



9.5810, 9.6381, 9.9320



14.2375, 7.5137, 0.6999



0.5758, 0.3304, 0.0334

Inverse Universe

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



25.3183, 35.5903, 54.8251



45.2721, 63.5960, 98.1683



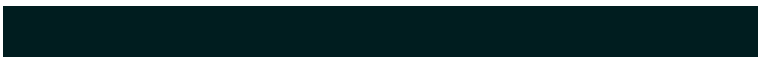
12.4794, 9.9125, 50.5454



9.7514, 10.6950, 12.2226



16.6629, 23.4375, 36.0386



0.6696, 0.9519, 1.4173

Previews

White Background



This preview shows how the XYZ color 21.6298, 11.3642, 1.0535 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 21.6298, 11.3642, 1.0535

Background



This preview shows how black text looks on a background with the XYZ color 21.6298, 11.3642, 1.0535.



This preview shows how white text looks on a background with the XYZ color 21.6298, 11.3642,

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

21.6298, 11.3642, 1.0535

Protanopia

10.7568, 11.8708, 2.6440

Deuteranopia

11.8532, 11.7919, 1.6513



Tritanopia

21.4357, 11.3480, 1.0606

Trichromacy



Original Color

21.6298, 11.3642, 1.0535

Protanomaly

12.6892, 9.4228, 1.6402

Deuteranomaly

13.8101, 9.7581, 1.1556

Tritanomaly

21.4205, 11.3177, 1.0556

Monochromacy



Original Color

21.6298, 11.3642, 1.0535

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

7.9328, 5.4936, 2.7401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6298, 11.3642, 1.0535 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, 13, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 13, 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, 13, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 13, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.6298, 11.3642, 1.0535 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, 13, 0) }
```


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

```
.border{ border-color:rgb(191, 13, 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, 13, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 13, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 13, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 13, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.6298, 11.3642, 1.0535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 13, 0) }
```

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

```
.background{ background-color: rgb(191, 13,  
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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