

Converting Colors

XYZ(20.7284, 12.2122, 0.0000)

Have a look what the booklet for
XYZ(20.7284, 12.2122, 0.0000)
contains.

XYZ(21.0241, 12.3473, 1.2752)	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(21.0241, 12.3473,
1.2752)**

Conversions

Conversions Part 1

Format	Color
Hex	B92F00
RGB	185, 47, 0
RGB Percent	73%, 18%, 0%
CMY	0.2745, 0.8156, 1.0000
CMYK	0.00, 0.75, 1.00, 0.27
HSL	15°, 100%, 36%
HSV	15°, 100%, 73%
XYZ	21.0241, 12.3473, 1.2752
YIQ	82.9040, 97.3350, 14.6390

Conversions

Conversions Part 2

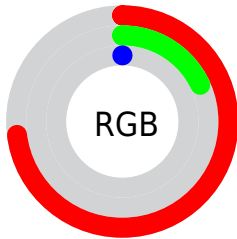
Format	Color
R_{YB}	185, 63, 0
Decimal	12136192
CIE Lab	41.76, 53.41, 54.17
CIE LCh	42, 76.073, 45.406
Yxy	12.3473, 0.6068, 0.3564
Android (android.graphics.Color)	4290326272 (0xFFB92F00)
YUV	82.9040, -40.8717, 89.5382
Hunter-Lab	35.1387, 45.3068, 22.4454

Details

The XYZ color **21.0241, 12.3473, 1.2752** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **17.8442, 21.6774, 49.1422**, and the grayscale version is **8.2700, 8.7006, 9.4750**.

A 20% lighter version of the original color is **44.5830, 30.1066, 6.9514**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **21.0243, 12.3479, 1.2753**, and if you desaturate by 10%, it is **21.7793, 13.6767, 2.0860**.

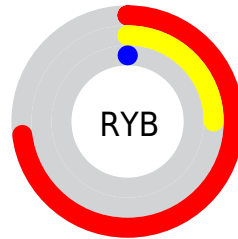
Distribution



Red (73%)

Green (18%)

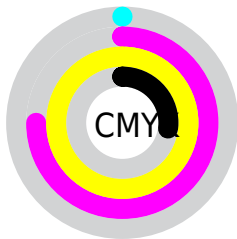
Blue (0%)



Red (73%)

Yellow (25%)

Blue (0%)

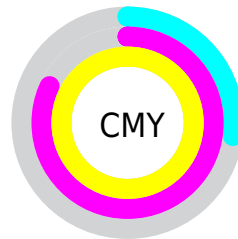


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (82%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0241, 12.3473, 1.2752 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 21.0241, 12.3473, 1.2752 by changing the saturation by 10% instead.


 21.0241, 12.3473,
1.2752


 21.0241, 12.3473,
1.2752


 250.1358,
206.6911, 109.8515


 13.2542, 6.9807,
0.0413


 44.6186, 30.1261,
6.9428


 7.6820, 3.4500,
0.0000


 61.1739, 43.3070,
12.4768

 3.9422, 1.3709,
0.0000

 81.3884, 59.8615,
20.3690

 1.6695, 0.1952,
0.0000

 105.6274, 80.1740,
31.0379

 0.4371, 0.0000,
0.0000


 134.2563,
104.6287, 44.9021


 0.0000, 0.0000,
0.0000


 167.6404,


133.6103, 62.3800


 206.1452,
167.5029, 83.8903


 21.0241, 12.3473,
1.2752


 21.0241, 12.3473,
1.2752


 21.0243, 12.3479,
1.2753

 21.7793, 13.6767,
2.0860

 22.8310, 15.4270,
3.5248

 24.2324, 17.6414,
5.8058

 26.0152, 20.3521,
9.0362

 28.2073, 23.5878,
13.3069

■ 30.8335, 27.3753,
18.6984

■ 33.9167, 31.7393,
25.2830

■ 37.4782, 36.7030,
33.1269

■ 41.5377, 42.2881,
42.2915

Harmonies

Analogous

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



25.4613, 12.3473, 6.8080



21.0241, 12.3473, 1.2752



14.6602, 12.3473, 0.0000

Triad

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



21.0241, 12.3473, 1.2752



4.1003, 12.3473, 7.0798



14.8318, 12.3473, 70.3863

Complementary

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



21.0241, 12.3473, 1.2752



17.8442, 21.6774, 49.1422

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.



9.2286, 12.3473, 70.7279



21.0241, 12.3473, 1.2752



4.1199, 12.3473, 23.4020

Square

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



21.0241, 12.3473, 1.2752



5.6212, 12.3473, 1.3406



5.6876, 12.3473, 49.4799



21.1837, 12.3473, 48.7468

Rectangle

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



21.0241, 12.3473, 1.2752



10.7511, 12.3473, 0.0000



5.6876, 12.3473, 49.4799



12.7788, 12.3473, 73.3517

Sweetspot

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



21.0244, 12.3481, 1.2754



60.4538, 56.4362, 44.6503



24.6494, 12.1710, 25.3806



12.5165, 11.4390, 8.5148



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.0244, 12.3481, 1.2754



37.4972, 21.8004, 2.2316



29.2039, 28.7072, 4.0019



9.1851, 9.3732, 9.4320



14.3663, 8.5089, 0.8852



0.5576, 0.4023, 0.0483

Inverse Universe

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



17.8442, 21.6774, 49.1422



31.7622, 38.4305, 87.9484



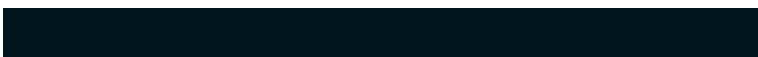
9.7438, 5.4765, 46.4421



9.0683, 9.8138, 11.4957



12.2110, 14.8816, 33.4819



0.4769, 0.6176, 1.1958

Previews

White Background



This preview shows how the XYZ color 21.0241, 12.3473, 1.2752 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 21.0241, 12.3473, 1.2752

Background



This preview shows how black text looks on a background with the XYZ color 21.0241, 12.3473, 1.2752.



This preview shows how white text looks on a background with the XYZ color 21.0241, 12.3473,

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

21.0241, 12.3473, 1.2752

Protanopia

11.3746, 12.6132, 2.5446

Deuteranopia

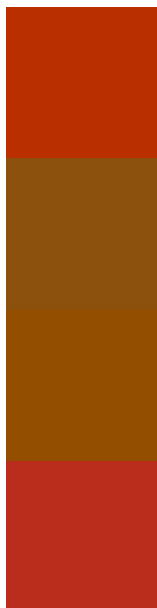
12.6964, 12.6200, 1.7667



Tritanopia

21.6240, 12.4299, 3.7421

Trichromacy



Original Color

21.0241, 12.3473, 1.2752

Protanomaly

13.6625, 11.4029, 1.8617

Deuteranomaly

14.7570, 11.6518, 1.4712

Tritanomaly

21.4099, 12.4046, 2.4283

Monochromacy



Original Color

21.0241, 12.3473, 1.2752

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

10.5785, 8.6304, 4.4765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0241, 12.3473, 1.2752 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(185, 47, 0)` looks like.

```
.text, #text, p{  
    color:rgb(185, 47, 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(185, 47, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 47, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.0241, 12.3473, 1.2752 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(185, 47, 0) }
```


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

```
.border{ border-color:rgb(185, 47, 0) }
```

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

Here you see how a box with a 4 pixel rgb(185, 47, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 47, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 47, 0);  
box-shadow:4px 4px 4px 4px rgb(185, 47, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.0241, 12.3473, 1.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 47, 0) }
```

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

```
.background{ background-color: rgb(185, 47,  
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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