

Converting Colors

XYZ(21.2261, 12.4467, 2.0502)

Have a look what the booklet for
XYZ(21.2261, 12.4467, 2.0502)
contains.

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Color

**XYZ(21.1689, 12.4052,
2.0378)**

Conversions

Conversions Part 1

Format	Color
Hex	B92F16
RGB	185, 47, 22
RGB Percent	73%, 18%, 9%
CMY	0.2745, 0.8156, 0.9137
CMYK	0.00, 0.75, 0.88, 0.27
HSL	9°, 79%, 41%
HSV	9°, 88%, 73%
XYZ	21.1689, 12.4052, 2.0378
YIQ	85.4120, 90.2730, 21.4810

Conversions

Conversions Part 2

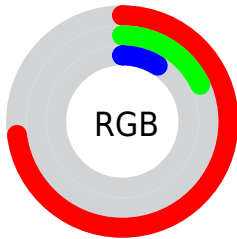
Format	Color
RYB	185, 52, 22
Decimal	12136214
CIELab	41.85, 53.71, 46.65
CIElCh	42, 71.141, 40.972
Yxy	12.4052, 0.5944, 0.3483
Android (android.graphics.Color)	4290326294 (0xFFB92F16)
YUV	85.4120, -31.2621, 87.3387
Hunter-Lab	35.2210, 45.6471, 21.2243

Details

The XYZ color **21.1689, 12.4052, 2.0378** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **21.6571, 28.8119, 50.3184**, and the grayscale version is **8.7724, 9.2292, 10.0506**.

A 20% lighter version of the original color is **44.9913, 30.2699, 9.1016**, and **8.1684, 4.2110, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **20.5257, 11.3201, 1.2037**, and if you desaturate by 10%, it is **22.1584, 13.9896, 3.5849**.

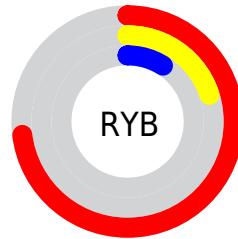
Distribution



Red (73%)

Green (18%)

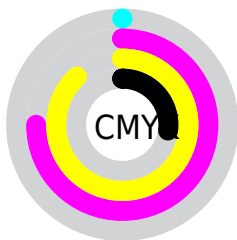
Blue (9%)



Red (73%)

Yellow (20%)

Blue (9%)

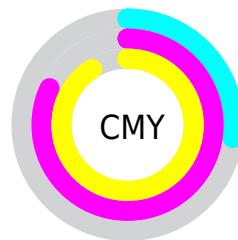


Cyan (0%)

Magenta (75%)

Yellow (88%)

Black (27%)



Cyan (27%)


Magenta (82%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1689, 12.4052, 2.0378 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 21.1689, 12.4052, 2.0378 by changing the saturation by 10% instead.


 21.1689, 12.4052,
2.0378


 21.1689, 12.4052,
2.0378


250.8895,
207.0697, 122.9610


 13.3607, 7.0203,
0.5784


 44.8576, 30.2310,
9.1439


 7.7561, 3.4748,
0.0000


 61.4688, 43.4406,
15.6768


 3.9898, 1.3843,
0.0000

 81.7451, 60.0273,
24.7544

 1.6963, 0.2051,
0.0000

 106.0518, 80.3753,
36.7952

 0.4540, 0.0000,
0.0000


 134.7542,
104.8692, 52.2177


 0.0000, 0.0000,
0.0000


 168.2177,


133.8933, 71.4405


 206.8077,
167.8320, 94.8821


 21.1689, 12.4052,
2.0378


 21.1689, 12.4052,
2.0378

 20.5257, 11.3201,
1.2037


 22.1584, 13.9896,
3.5849

 20.4318, 11.1630,
1.0778

 23.5450, 16.1262,
6.0096

 25.3670, 18.8616,
9.4180

 27.6577, 22.2365,
13.9010

 30.4472, 26.2883,
19.5390

■ 33.7629, 31.0513,
26.4047

■ 37.6304, 36.5574,
34.5649

■ 42.0733, 42.8367,
44.0815

■ 47.1141, 49.9176,
55.0125

Harmonies

Analogous

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



24.7311, 12.4052, 8.7194



21.1689, 12.4052, 2.0378



15.3963, 12.4052, 0.3431

Triad

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



21.1689, 12.4052, 2.0378



4.5925, 12.4052, 6.1059



13.8176, 12.4052, 66.3812

Complementary

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



21.1689, 12.4052, 2.0378



21.6571, 28.8119, 50.3184

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.



8.7973, 12.4052, 63.3898



21.1689, 12.4052, 2.0378



4.3996, 12.4052, 19.7883

Square

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



21.1689, 12.4052, 2.0378



6.3346, 12.4052, 1.3277



5.6949, 12.4052, 42.7001



19.7224, 12.4052, 49.1873

Rectangle

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



21.1689, 12.4052, 2.0378



11.6204, 12.4052, 0.0720



5.6949, 12.4052, 42.7001



11.9628, 12.4052, 67.9078

Sweetspot

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



21.1692, 12.4060, 2.0380



61.5645, 57.1774, 49.5843



26.6877, 13.4454, 34.6990



12.7970, 11.6470, 9.6959



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.



21.1692, 12.4060, 2.0380



36.4880, 19.7821, 1.8952



27.8649, 25.7975, 4.2699



9.1129, 9.2288, 9.4079



13.9472, 7.6708, 0.7455



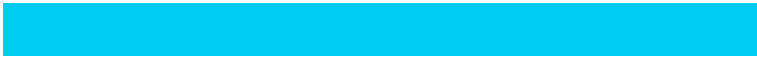
0.5270, 0.3410, 0.0380

Inverse Universe

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



21.6571, 28.8119, 50.3184



37.0215, 48.9493, 89.7015



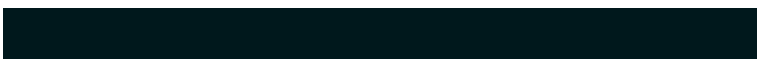
11.8874, 9.2726, 47.0618



9.1462, 9.9695, 11.5217



14.1712, 18.8022, 34.1353



0.5316, 0.7269, 1.2140

Previews

White Background



This preview shows how the XYZ color 21.1689, 12.4052, 2.0378 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



This preview shows how the XYZ color 21.1689, 12.4052, 2.0378 looks on a 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 21.1689, 12.4052, 2.0378

Background



This preview shows how black text looks on a background with the XYZ color 21.1689, 12.4052, 2.0378.



This preview shows how white text looks on a background with the XYZ color 21.1689, 12.4052,

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

21.1689, 12.4052, 2.0378

Protanopia

11.5426, 12.6804, 3.4293

Deuteranopia

12.6964, 12.6200, 1.7667



Tritanopia

21.4391, 12.3883, 3.8460

Trichromacy



Original Color

21.1689, 12.4052, 2.0378

Protanomaly

13.8242, 11.4676, 2.7131

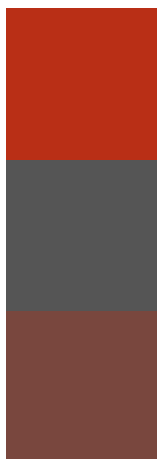
Deuteranomaly

14.8008, 11.6694, 1.7020

Tritanomaly

21.3185, 12.4018, 3.0205

Monochromacy



Original Color

21.1689, 12.4052, 2.0378

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

11.0079, 8.9192, 5.6988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1689, 12.4052, 2.0378 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, 22)` looks like.

```
.text, #text, p{  
    color:rgb(185, 47, 22)  
}
```

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, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 47, 22) }
```

Border

The CSS property to change the border of an element to XYZ 21.1689, 12.4052, 2.0378 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, 22) }
```


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

```
.border{ border-color:rgb(185, 47, 22) }
```

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, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 47, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 47, 22);  
box-shadow:4px 4px 4px 4px rgb(185, 47,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1689, 12.4052, 2.0378 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, 22) }
```

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

```
.background{ background-color: rgb(185, 47,  
22) }
```

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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