

Converting Colors

XYZ(20.0520, 11.9710, 3.3131)

Have a look what the booklet for
XYZ(20.0520, 11.9710, 3.3131)
contains.

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Color

**XYZ(20.1312, 12.0250,
3.3578)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | B33229 |
| RGB | 179, 50, 41 |
| RGB Percent | 70%, 20%, 16% |
| CMY | 0.2980, 0.8039, 0.8392 |
| CMYK | 0.00, 0.72, 0.77, 0.30 |
| HSL | 4°, 63%, 43% |
| HSV | 4°, 77%, 70% |
| XYZ | 20.1312, 12.0250, 3.3578 |
| YIQ | 87.5450, 79.7730, 24.5490 |

Conversions

Conversions Part 2

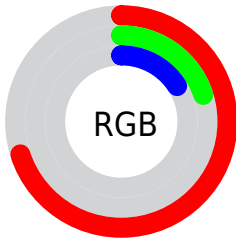
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 179, 51, 41 |
| Decimal | 11743785 |
| CIE _{Lab} | 41.26, 51.25, 36.00 |
| CIE _{LCh} | 41, 62.631, 35.084 |
| Yxy | 12.0250, 0.5669, 0.3386 |
| Android (android.graphics.Color) | 4289933865 (0xFFB33229) |
| YUV | 87.5450, -22.9467, 80.2060 |
| Hunter-Lab | 34.6771, 42.9403, 18.5329 |

Details

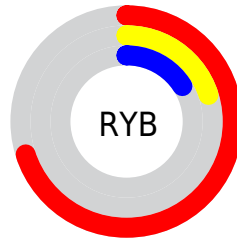
The XYZ color **20.1312, 12.0250, 3.3578** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **23.4239, 32.4718, 47.6805**, and the grayscale version is **9.2137, 9.6935, 10.5562**.

A 20% lighter version of the original color is **43.0475, 29.4920, 12.4405**, and **7.6077, 3.9219, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **19.2975, 10.7491, 1.8736**, and if you desaturate by 10%, it is **21.3688, 13.8819, 5.6773**.

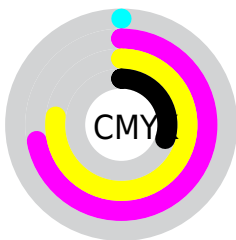
Distribution



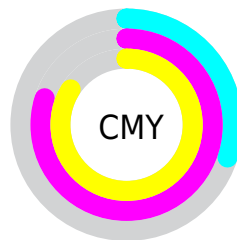
- Red (70%)
- Green (20%)
- Blue (16%)



- Red (70%)
- Yellow (20%)
- Blue (16%)



- Cyan (0%)
- Magenta (72%)
- Yellow (77%)
- Black (30%)





- Cyan (30%)
- Magenta (80%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1312, 12.0250, 3.3578 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 20.1312, 12.0250, 3.3578 by changing the saturation by 10% instead.


 20.1312, 12.0250,
3.3578


 20.1312, 12.0250,
3.3578


245.4445,
204.5707, 140.7949


 12.5993, 6.7607,
1.2801


 43.1393, 29.5406,
12.4993

 7.2283, 3.3129,
0.0454


 59.3462, 42.5608,
20.4001


 3.6529, 1.2972,
0.0000

 79.1754, 58.9349,
31.0791

 1.5077, 0.1390,
0.0000

 102.9924, 79.0476,
44.9547

 0.3311, 0.0000,
0.0000

 131.1624,
103.2831, 62.4456

 0.0000, 0.0000,
0.0000

 164.0509,

132.0259, 83.9702

202.0232,
165.6603, 109.9471

■ 20.1312, 12.0250,
3.3578

■ 20.1312, 12.0250,
3.3578

■ 19.2975, 10.7491,
1.8736

■ 21.3688, 13.8819,
5.6773

■ 18.8122, 9.9820,
1.0845

■ 23.0522, 16.3756,
8.9300

■ 18.7179, 9.8390,
0.9126

■ 25.2189, 19.5578,
13.2009

■ 27.9021, 23.4742,
18.5653

■ 31.1321, 28.1668,
25.0913

■ 34.9371, 33.6741,
32.8415

■ 39.3430, 40.0324,
41.8741

■ 44.3743, 47.2755,
52.2434

■ 50.0542, 55.4356,
64.0009

Harmonies

Analogous

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



22.4724, 12.0250, 11.0067



20.1312, 12.0250, 3.3578



15.5013, 12.0250, 1.0023

Triad

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



20.1312, 12.0250, 3.3578



5.2147, 12.0250, 5.1504



12.2179, 12.0250, 56.9074

Complementary

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



20.1312, 12.0250, 3.3578



23.4239, 32.4718, 47.6805

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.



8.1414, 12.0250, 51.1936



20.1312, 12.0250, 3.3578



4.7683, 12.0250, 15.4279

Square

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



20.1312, 12.0250, 3.3578



7.1220, 12.0250, 1.4555



5.6851, 12.0250, 33.2754



17.1959, 12.0250, 45.9062

Rectangle

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



20.1312, 12.0250, 3.3578



12.1915, 12.0250, 0.6104



5.6851, 12.0250, 33.2754



10.6998, 12.0250, 56.9243

Sweetspot

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



20.1315, 12.0257, 3.3580



58.1605, 53.9285, 49.8214



26.8391, 14.1519, 40.3967



12.3706, 11.2018, 9.9916



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.1315, 12.0257, 3.3580



33.8630, 18.1478, 2.2179



25.3401, 22.4429, 5.0942



8.5394, 8.5914, 8.8608



13.2453, 6.9891, 0.6509



0.4314, 0.2492, 0.0254

Inverse Universe

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



23.4239, 32.4718, 47.6805



39.8518, 56.0640, 85.1022



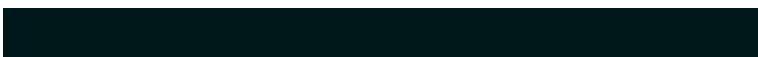
13.9112, 13.4464, 44.5096



8.6942, 9.5346, 10.8885



15.5739, 21.9483, 33.5526



0.5042, 0.7189, 1.0604

Previews

White Background



This preview shows how the XYZ color 20.1312, 12.0250, 3.3578 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 20.1312, 12.0250, 3.3578

Background



This preview shows how black text looks on a background with the XYZ color 20.1312, 12.0250, 3.3578.



This preview shows how white text looks on a background with the XYZ color 20.1312, 12.0250,

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

20.1312, 12.0250, 3.3578

Protanopia

11.2658, 12.2090, 5.5042

Deuteranopia

12.3301, 12.1386, 2.9894



Tritanopia

20.2863, 12.0193, 4.3827

Trichromacy



Original Color

20.1312, 12.0250, 3.3578

Protanomaly

13.3715, 11.1922, 4.5875

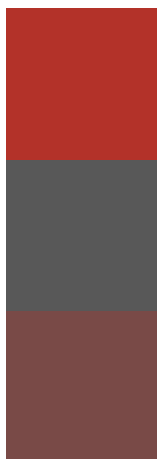
Deuteranomaly

14.2849, 11.2687, 3.0123

Tritanomaly

20.2018, 11.9856, 3.9380

Monochromacy



Original Color

20.1312, 12.0250, 3.3578

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

11.4713, 9.4174, 7.1744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1312, 12.0250, 3.3578 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(179, 50, 41)` looks like.

```
.text, #text, p{  
    color:rgb(179, 50, 41)  
}
```

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(179, 50, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 50, 41) }
```

Border

The CSS property to change the border of an element to XYZ 20.1312, 12.0250, 3.3578 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(179, 50, 41) }
```


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

```
.border{ border-color:rgb(179, 50, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 50, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 50, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 50, 41);  
box-shadow:4px 4px 4px 4px rgb(179, 50,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1312, 12.0250, 3.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 50, 41) }
```

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

```
.background{ background-color: rgb(179, 50,  
41) }
```

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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