

Converting Colors

XYZ(20.6551, 12.7680, 5.0325)

Have a look what the booklet for
XYZ(20.6551, 12.7680, 5.0325)
contains.

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Color

**XYZ(20.5128, 12.6671,
4.9783)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | B23937 |
| RGB | 178, 57, 55 |
| RGB Percent | 70%, 22%, 22% |
| CMY | 0.3020, 0.7764, 0.7843 |
| CMYK | 0.00, 0.68, 0.69, 0.30 |
| HSL | 1°, 53%, 46% |
| HSV | 1°, 69%, 70% |
| XYZ | 20.5128, 12.6671, 4.9783 |
| YIQ | 92.9510, 72.7580, 25.0300 |

Conversions

Conversions Part 2

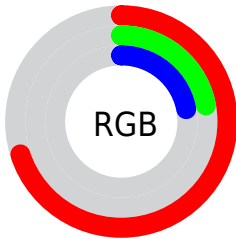
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 178, 57, 55 |
| Decimal | 11680055 |
| CIE _{Lab} | 42.26, 48.81, 28.93 |
| CIE _{LCh} | 42, 56.735, 30.655 |
| Yxy | 12.6671, 0.5376, 0.3320 |
| Android (android.graphics.Color) | 4289870135 (0xFFB23937) |
| YUV | 92.9510, -18.7098, 74.5880 |
| Hunter-Lab | 35.5909, 40.5945, 16.6204 |

Details

The XYZ color **20.5128, 12.6671, 4.9783** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **25.1351, 35.0739, 47.5643**, and the grayscale version is **10.4242, 10.9670, 11.9431**.

A 20% lighter version of the original color is **43.6793, 30.6789, 16.1898**, and **7.5376, 3.8781, 0.6991** is the 20% darker color. If you saturate the color by 10%, you get **19.4390, 11.0838, 2.8817**, and if you desaturate by 10%, it is **22.0394, 14.9103, 7.9851**.

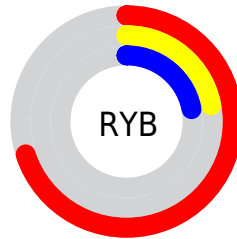
Distribution



Red (70%)

Green (22%)

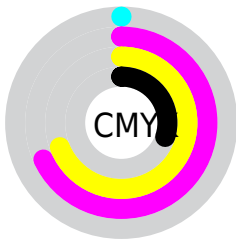
Blue (22%)



Red (70%)

Yellow (22%)

Blue (22%)

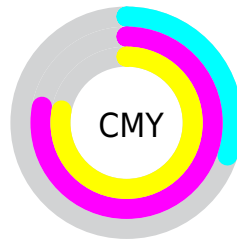


Cyan (0%)

Magenta (68%)

Yellow (69%)

Black (30%)



Cyan (30%)


Magenta (78%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.5128, 12.6671, 4.9783 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 20.5128, 12.6671, 4.9783 by changing the saturation by 10% instead.


 20.5128, 12.6671,
4.9783

 20.5128, 12.6671,
4.9783


247.4588,
208.7730, 158.5472


 12.8788, 7.1997,
2.1760


 43.7727, 30.7044,
16.2096


 7.4215, 3.5873,
0.6605


 60.1293, 44.0431,
25.4758


 3.7758, 1.4455,
0.0000

 80.1241, 60.7744,
37.7336

 1.5761, 0.2499,
0.0000

 104.1224, 81.2826,
53.4017

 0.3767, 0.0000,
0.0000

 132.4897,
105.9522, 72.8985

 0.0000, 0.0000,
0.0000

 165.5913,

135.1675, 96.6427

203.7926,
169.3130, 125.0527

■ 20.5128, 12.6671,
4.9783

■ 20.5128, 12.6671,
4.9783

■ 19.4390, 11.0838,
2.8817

■ 22.0394, 14.9103,
7.9851

■ 18.7676, 10.0867,
1.5920

■ 24.0606, 17.8724,
11.9890

■ 18.4173, 9.5657,
0.9216

■ 26.6141, 21.6083,
17.0675

■ 18.3915, 9.5280,
0.8697

■ 29.7341, 26.1671,
23.2901

■ 33.4516, 31.5937,
30.7208

■ 37.7955, 37.9299,
39.4186

■ 42.7929, 45.2147,
49.4387

■ 48.4691, 53.4849,
60.8331

■ 54.8483, 62.7753,
73.6509

Harmonies

Analogous

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



22.1822, 12.6671, 13.5268



20.5128, 12.6671, 4.9783



16.4981, 12.6671, 1.8042

Triad

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



20.5128, 12.6671, 4.9783



6.2352, 12.6671, 5.2167



12.1333, 12.6671, 52.8470

Complementary

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



20.5128, 12.6671, 4.9783



25.1351, 35.0739, 47.5643

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.



8.4669, 12.6671, 45.8421



20.5128, 12.6671, 4.9783



5.5843, 12.6671, 14.0613

Square

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



20.5128, 12.6671, 4.9783



8.3397, 12.6671, 1.8740



6.2955, 12.6671, 29.4702



16.6983, 12.6671, 45.2494

Rectangle

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



20.5128, 12.6671, 4.9783



13.4140, 12.6671, 1.1963



6.2955, 12.6671, 29.4702



10.7626, 12.6671, 52.0949

Sweetspot

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



20.5131, 12.6678, 4.9785



59.0399, 54.9251, 52.4642



27.7620, 15.4117, 43.6306



12.6640, 11.5611, 10.7911



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.



20.5131, 12.6678, 4.9785



34.5178, 19.0119, 3.8090



25.3527, 22.3471, 6.5917



8.5071, 8.5267, 8.8500



13.1640, 6.8265, 0.6238



0.4179, 0.2221, 0.0209

Inverse Universe

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



25.1351, 35.0739, 47.5643



43.4197, 62.2559, 86.1093



15.9146, 16.6329, 44.4908



8.7305, 9.6073, 10.9006



16.7365, 24.2733, 33.9401



0.5303, 0.7712, 1.0691

Previews

White Background



This preview shows how the XYZ color 20.5128, 12.6671, 4.9783 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 20.5128, 12.6671, 4.9783 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 20.5128, 12.6671, 4.9783

Background



This preview shows how black text looks on a background with the XYZ color 20.5128, 12.6671, 4.9783.



This preview shows how white text looks on a background with the XYZ color 20.5128, 12.6671,

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

20.5128, 12.6671, 4.9783

Protanopia

12.0977, 13.0135, 7.8355

Deuteranopia

13.0286, 12.8642, 4.5927



Tritanopia

20.5637, 12.6091, 5.4876

Trichromacy



Original Color

20.5128, 12.6671, 4.9783

Protanomaly

14.0342, 11.9470, 6.5673

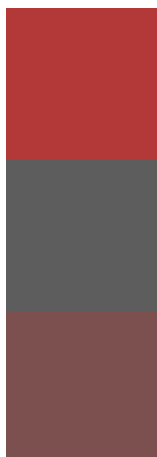
Deuteranomaly

15.1164, 12.2029, 4.6906

Tritanomaly

20.5380, 12.5988, 5.3523

Monochromacy



Original Color

20.5128, 12.6671, 4.9783

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.5921, 10.5869, 8.7769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5128, 12.6671, 4.9783 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(178, 57, 55)` looks like.

```
.text, #text, p{  
    color:rgb(178, 57, 55)  
}
```

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(178, 57, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 57, 55) }
```

Border

The CSS property to change the border of an element to XYZ 20.5128, 12.6671, 4.9783 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(178, 57, 55) }
```


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

```
.border{ border-color:rgb(178, 57, 55) }
```

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

Here you see how a box with a 4 pixel rgb(178, 57, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 57, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 57, 55);  
box-shadow:4px 4px 4px 4px rgb(178, 57,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5128, 12.6671, 4.9783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 57, 55) }
```

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

```
.background{ background-color: rgb(178, 57,  
55) }
```

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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