

Converting Colors

XYZ(20.5865, 11.7418, 4.8683)

Have a look what the booklet for
XYZ(20.5865, 11.7418, 4.8683)
contains.

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Color

**XYZ(20.5978, 11.7652,
4.9267)**

Conversions

Conversions Part 1

Format	Color
Hex	B52A38
RGB	181, 42, 56
RGB Percent	71%, 16%, 22%
CMY	0.2902, 0.8353, 0.7804
CMYK	0.00, 0.77, 0.69, 0.29
HSL	354°, 62%, 44%
HSV	354°, 77%, 71%
XYZ	20.5978, 11.7652, 4.9267
YIQ	85.1570, 78.3500, 33.8220

Conversions

Conversions Part 2

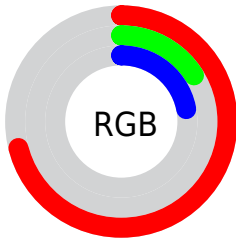
Format	Color
R_{YB}	181, 42, 56
Decimal	11872824
CIE _{Lab}	40.84, 55.33, 26.73
CIE _{LCh}	41, 61.447, 25.789
Yxy	11.7652, 0.5524, 0.3155
Android (android.graphics.Color)	4290062904 (0xFFB52A38)
YUV	85.1570, -14.3744, 84.0543
Hunter-Lab	34.3004, 47.1655, 15.4943

Details

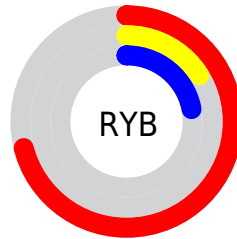
The XYZ color **20.5978, 11.7652, 4.9267** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **24.4549, 36.3303, 42.2873**, and the grayscale version is **8.6861, 9.1385, 9.9518**.

A 20% lighter version of the original color is **43.9675, 29.1483, 16.1408**, and **7.8250, 4.0248, 0.7799** is the 20% darker color. If you saturate the color by 10%, you get **19.7590, 10.6246, 2.9922**, and if you desaturate by 10%, it is **21.8564, 13.5385, 7.6399**.

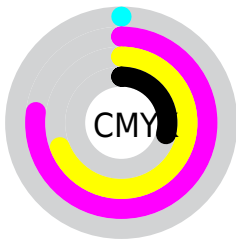
Distribution



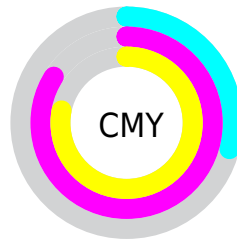
- Red (71%)
- Green (16%)
- Blue (22%)



- Red (71%)
- Yellow (16%)
- Blue (22%)



- Cyan (0%)
- Magenta (77%)
- Yellow (69%)
- Black (29%)





- Cyan (29%)
- Magenta (84%)
- Yellow (78%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.5978, 11.7652, 4.9267 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 20.5978, 11.7652, 4.9267 by changing the saturation by 10% instead.


 20.5978, 11.7652,
4.9267


 20.5978, 11.7652,
4.9267


247.9056,
202.8446, 158.0275


 12.9411, 6.5840,
2.1463


 43.9135, 29.0667,
16.0962


 7.4647, 3.2033,
0.6431


 60.3033, 41.9559,
25.3223

 3.8033, 1.2388,
0.0000

 80.3348, 58.1831,
37.5342

 1.5915, 0.0930,
0.0000

 104.3733, 78.1328,
53.1502

 0.3868, 0.0000,
0.0000

 132.7844,
102.1895, 72.5891

 0.0000, 0.0000,
0.0000

 165.9332,

130.7374, 96.2692

204.1851,
164.1609, 124.6091

■ 20.5978, 11.7652,
4.9267

■ 20.5978, 11.7652,
4.9267

■ 19.7590, 10.6246,
2.9922

■ 21.8564, 13.5385,
7.6399

■ 19.2781, 10.0135,
1.7509

■ 23.5799, 16.0163,
11.2026

■ 19.1669, 9.8681,
1.4762

■ 25.8085, 19.2627,
15.6780

■ 28.5778, 23.3344,
21.1233

■ 31.9200, 28.2824,
27.5910

■ 35.8651, 34.1538,
35.1296

■ 40.4407, 40.9922,
43.7849

■ 45.6729, 48.8386,
53.5997

■ 51.5861, 57.7315,
64.6146

Harmonies

Analogous

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



21.8473, 11.7652, 14.6625



20.5978, 11.7652, 4.9267



16.6115, 11.7652, 1.4299

Triad

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



20.5978, 11.7652, 4.9267



5.5679, 11.7652, 3.4771



10.5759, 11.7652, 55.0008

Complementary

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



20.5978, 11.7652, 4.9267



24.4549, 36.3303, 42.2873

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.



7.0876, 11.7652, 44.8554



20.5978, 11.7652, 4.9267



4.7153, 11.7652, 11.1210

Square

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



20.5978, 11.7652, 4.9267



7.9069, 11.7652, 1.0577



5.1887, 11.7652, 26.4131



15.2568, 11.7652, 49.0607

Rectangle

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



20.5978, 11.7652, 4.9267



13.3778, 11.7652, 0.7584



5.1887, 11.7652, 26.4131



9.2415, 11.7652, 53.2437

Sweetspot

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



20.5981, 11.7659, 4.9269



59.4509, 54.0448, 53.7934



24.6409, 12.9691, 44.9203



12.3339, 10.9150, 10.6376



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.



20.5981, 11.7659, 4.9269



34.7494, 18.2087, 3.7348



23.5924, 18.2276, 4.4663



8.5300, 8.5187, 9.0233



13.2260, 6.8079, 1.0840



0.4274, 0.2187, 0.0934

Inverse Universe

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



20.5981, 11.7659, 4.9269



34.7494, 18.2087, 3.7348



16.9785, 19.1941, 46.5257



8.5300, 8.5187, 9.0233



13.2260, 6.8079, 1.0840



0.4274, 0.2187, 0.0934

Previews

White Background



This preview shows how the XYZ color 20.5978, 11.7652, 4.9267 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 20.5978, 11.7652, 4.9267

Background



This preview shows how black text looks on a background with the XYZ color 20.5978, 11.7652, 4.9267.



This preview shows how white text looks on a background with the XYZ color 20.5978, 11.7652,

4.9267.

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

20.5978, 11.7652, 4.9267

Protanopia

11.2881, 12.0142, 8.5615

Deuteranopia

12.1936, 12.0352, 4.4767



Tritanopia

20.4304, 11.8146, 3.6863

Trichromacy



Original Color

20.5978, 11.7652, 4.9267

Protanomaly

13.2438, 10.6430, 6.9865

Deuteranomaly

14.2016, 10.8874, 4.4849

Tritanomaly

20.4743, 11.7733, 4.0991

Monochromacy



Original Color

20.5978, 11.7652, 4.9267

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

11.1099, 8.7437, 7.5807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5978, 11.7652, 4.9267 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(181, 42, 56)` looks like.

```
.text, #text, p{  
    color:rgb(181, 42, 56)  
}
```

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(181, 42, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 42, 56) }
```

Border

The CSS property to change the border of an element to XYZ 20.5978, 11.7652, 4.9267 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(181, 42, 56) }
```


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

```
.border{ border-color:rgb(181, 42, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 42, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 42, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 42, 56);  
box-shadow:4px 4px 4px 4px rgb(181, 42,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5978, 11.7652, 4.9267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 42, 56) }
```

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

```
.background{ background-color: rgb(181, 42,  
56) }
```

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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