

Converting Colors

XYZ(19.6499, 8.5719, 1.6476)

Have a look what the booklet for
XYZ(19.6499, 8.5719, 1.6476)
contains.

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Color

**XYZ(20.6913, 10.6439,
2.0008)**

Conversions

Conversions Part 1

Format	Color
Hex	BB001B
RGB	187, 0, 27
RGB Percent	73%, 0%, 11%
CMY	0.2667, 0.9999, 0.8941
CMYK	0.00, 1.00, 0.86, 0.27
HSL	351°, 100%, 37%
HSV	351°, 100%, 73%
XYZ	20.6913, 10.6439, 2.0008
YIQ	58.9910, 102.7850, 48.0410

Conversions

Conversions Part 2

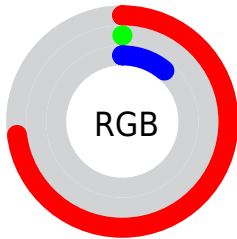
Format	Color
RYB	187, 0, 27
Decimal	12255259
CIELab	38.97, 63.83, 42.01
CIElCh	39, 76.408, 33.350
Yxy	10.6439, 0.6207, 0.3193
Android (android.graphics.Color)	4290445339 (0xFFBB001B)
YUV	58.9910, -15.7716, 112.2639
Hunter-Lab	32.6250, 56.1139, 19.2014

Details

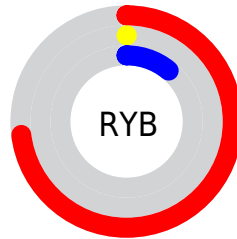
The XYZ color **20.6913, 10.6439, 2.0008** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **24.1188, 38.0798, 39.3524**, and the grayscale version is **4.1694, 4.3865, 4.7769**.

A 20% lighter version of the original color is **43.8958, 26.8620, 9.0022**, and **8.3122, 4.2851, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **20.6908, 10.6437, 1.9990**, and if you desaturate by 10%, it is **21.1578, 11.1960, 3.3317**.

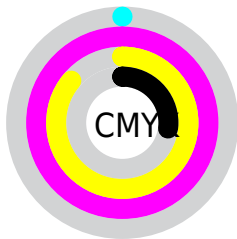
Distribution



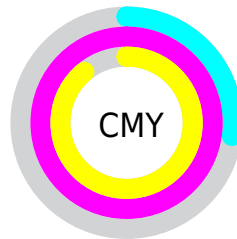
- Red (73%)
- Green (0%)
- Blue (11%)



- Red (73%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6913, 10.6439, 2.0008 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 20.6913, 10.6439, 2.0008 by changing the saturation by 10% instead.


 20.6913, 10.6439,
2.0008


 20.6913, 10.6439,
2.0008


248.3962,
195.2079, 122.3892


 13.0097, 5.8279,
0.5558


 44.0684, 26.9998,
9.0430


 7.5123, 2.7407,
0.0000


 60.4945, 39.3085,
15.5322


 3.8336, 0.9979,
0.0000

 80.5663, 54.8835,
24.5582

 1.6085, 0.0000,
0.0000

 104.6490, 74.1093,
36.5396

 0.3979, 0.0000,
0.0000


 133.1080, 97.3702,
51.8948


 0.0000, 0.0000,
0.0000


 166.3086,


125.0507, 71.0425


 204.6162,
157.5352, 94.4011


 20.6913, 10.6439,
2.0008


 20.6913, 10.6439,
2.0008


 20.6908, 10.6437,
1.9990

 21.1578, 11.1960,
3.3317

 21.9581, 12.2309,
5.3419

 23.1843, 13.9142,
8.1219

 24.8870, 16.3300,
11.7404

 27.1094, 19.5494,
16.2585

■ 29.8896, 23.6353,
21.7313

■ 33.2625, 28.6443,
28.2097

■ 37.2597, 34.6282,
35.7407

■ 41.9109, 41.6348,
44.3685

Harmonies

Analogous

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



23.3689, 10.6439, 10.0273



20.6913, 10.6439, 2.0008



15.1718, 10.6439, 0.0000

Triad

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



20.6913, 10.6439, 2.0008



3.6485, 10.6439, 3.0157



10.6995, 10.6439, 68.1269

Complementary

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



20.6913, 10.6439, 2.0008



24.1188, 38.0798, 39.3524

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.



6.3314, 10.6439, 59.0234



20.6913, 10.6439, 2.0008



3.1544, 10.6439, 13.3058

Square

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



20.6913, 10.6439, 2.0008



5.6339, 10.6439, 0.2357



3.9460, 10.6439, 34.8356



16.5071, 10.6439, 54.3062

Rectangle

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



20.6913, 10.6439, 2.0008



11.2928, 10.6439, 0.0000



3.9460, 10.6439, 34.8356



9.0252, 10.6439, 67.6699

Sweetspot

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



20.6915, 10.6446, 2.0009



59.2430, 50.8095, 49.8950



23.2590, 10.9549, 47.9019



12.4586, 10.3145, 9.8644



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.6915, 10.6446, 2.0009



37.0063, 19.0425, 3.3104



22.4110, 14.3998, 1.5993



9.5847, 9.5582, 10.2022



14.2729, 7.3403, 1.4648



0.5773, 0.2948, 0.1532

Inverse Universe

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



20.6915, 10.6446, 2.0009



37.0063, 19.0425, 3.3104



15.8758, 17.3997, 49.5350



9.5847, 9.5582, 10.2022



14.2729, 7.3403, 1.4648



0.5773, 0.2948, 0.1532

Previews

White Background



This preview shows how the XYZ color 20.6913, 10.6439, 2.0008 looks on a white background.

Color Contrast Check

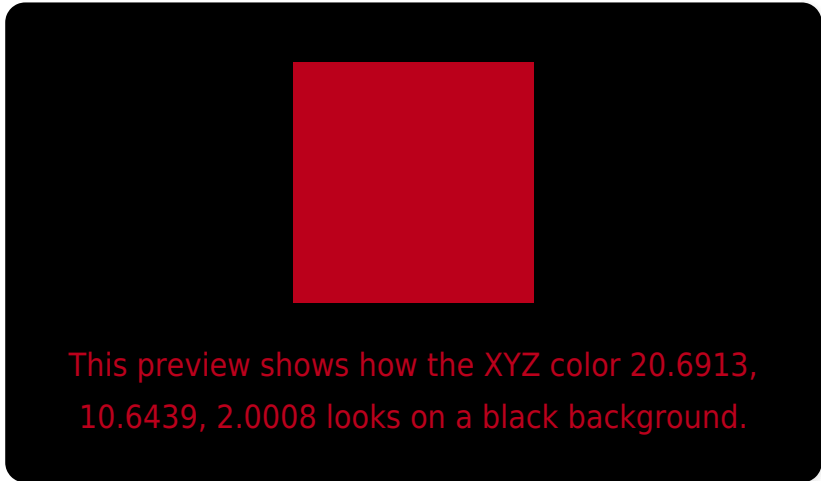
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6913, 10.6439, 2.0008

Background



This preview shows how black text looks on a background with the XYZ color 20.6913, 10.6439, 2.0008.



This preview shows how white text looks on a background with the XYZ color 20.6913, 10.6439,

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

20.6913, 10.6439, 2.0008

Protanopia

10.3916, 11.3771, 4.1309

Deuteranopia

11.2639, 11.2343, 1.5748



Tritanopia

20.4501, 10.8400, 1.0145

Trichromacy



Original Color

20.6913, 10.6439, 2.0008

Protanomaly

11.9574, 8.5226, 2.8485

Deuteranomaly

13.0195, 8.8775, 1.3145

Tritanomaly

20.4242, 10.7004, 1.2761

Monochromacy



Original Color

20.6913, 10.6439, 2.0008

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

7.1501, 4.6556, 3.2111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6913, 10.6439, 2.0008 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(187, 0, 27)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 27)  
}
```

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(187, 0, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 27) }
```

Border

The CSS property to change the border of an element to XYZ 20.6913, 10.6439, 2.0008 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(187, 0, 27) }
```


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

```
.border{ border-color:rgb(187, 0, 27) }
```

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

Here you see how a box with a 4 pixel rgb(187, 0, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 27);  
box-shadow:4px 4px 4px 4px rgb(187, 0, 27)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.6913, 10.6439, 2.0008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 0, 27) }
```

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

```
.background{ background-color: rgb(187, 0,  
27) }
```

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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