

Converting Colors

XYZ(20.7048, 10.6501, 2.0664)

Have a look what the booklet for
XYZ(20.7048, 10.6501, 2.0664)
contains.

XYZ(20.7031, 10.6486, 2.0628)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.7031, 10.6486,
2.0628)**

Conversions

Conversions Part 1

Format	Color
Hex	BB001C
RGB	187, 0, 28
RGB Percent	73%, 0%, 11%
CMY	0.2667, 0.9999, 0.8902
CMYK	0.00, 1.00, 0.85, 0.27
HSL	351°, 100%, 37%
HSV	351°, 100%, 73%
XYZ	20.7031, 10.6486, 2.0628
YIQ	59.1050, 102.4640, 48.3520

Conversions

Conversions Part 2

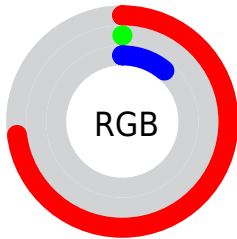
Format	Color
RYB	187, 0, 28
Decimal	12255260
CIELab	38.98, 63.85, 41.48
CIElCh	39, 76.139, 33.011
Yxy	10.6486, 0.6196, 0.3187
Android (android.graphics.Color)	4290445340 (0xFFBB001C)
YUV	59.1050, -15.3348, 112.1639
Hunter-Lab	32.6322, 56.1408, 19.0946

Details

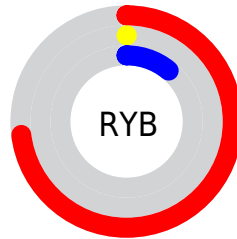
The XYZ color **20.7031, 10.6486, 2.0628** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **24.0315, 38.0449, 38.8926**, and the grayscale version is **4.1843, 4.4022, 4.7940**.

A 20% lighter version of the original color is **43.9287, 26.8751, 9.1754**, and **8.3122, 4.2851, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **20.7026, 10.6484, 2.0610**, and if you desaturate by 10%, it is **21.1745, 11.2026, 3.4196**.

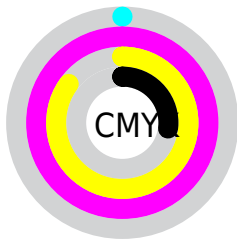
Distribution



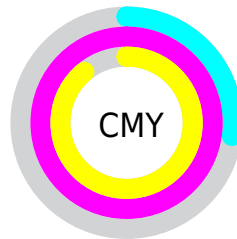
- Red (73%)
- Green (0%)
- Blue (11%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (27%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7031, 10.6486, 2.0628 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 20.7031, 10.6486, 2.0628 by changing the saturation by 10% instead.


 20.7031, 10.6486,
2.0628


 20.7031, 10.6486,
2.0628


248.4581,
195.2406, 123.3444


 13.0184, 5.8311,
0.5935


 44.0879, 27.0085,
9.2118


 7.5183, 2.7426,
0.0000


 60.5187, 39.3197,
15.7741


 3.8375, 0.9989,
0.0000

 80.5955, 54.8975,
24.8862

 1.6106, 0.0000,
0.0000

 104.6838, 74.1264,
36.9668


 0.3993, 0.0000,
0.0000


 133.1488, 97.3908,
52.4344


 0.0000, 0.0000,
0.0000


 166.3560,


125.0750, 71.7075


 204.6706,
157.5635, 95.2047


 20.7031, 10.6486,
2.0628


 20.7031, 10.6486,
2.0628


 20.7026, 10.6484,
2.0610

 21.1745, 11.2026,
3.4196

 21.9790, 12.2392,
5.4520

 23.2084, 13.9238,
8.2488

 24.9130, 16.3402,
11.8772

 27.1356, 19.5597,
16.3973

■ 29.9146, 23.6451,
21.8632

■ 33.2843, 28.6528,
28.3249

■ 37.2763, 34.6345,
35.8288

■ 41.9202, 41.6381,
44.4181

Harmonies

Analogous

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



23.3223, 10.6486, 10.1882



20.7031, 10.6486, 2.0628



15.2250, 10.6486, 0.0000

Triad

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



20.7031, 10.6486, 2.0628



3.6797, 10.6486, 2.9757



10.6422, 10.6486, 67.8530

Complementary

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



20.7031, 10.6486, 2.0628



24.0315, 38.0449, 38.8926

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.



6.3082, 10.6486, 58.5575



20.7031, 10.6486, 2.0628



3.1708, 10.6486, 13.1247

Square

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



20.7031, 10.6486, 2.0628



5.6826, 10.6486, 0.2351



3.9469, 10.6486, 34.4461



16.4201, 10.6486, 54.3434

Rectangle

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



20.7031, 10.6486, 2.0628



11.3552, 10.6486, 0.0000



3.9469, 10.6486, 34.4461



8.9800, 10.6486, 67.3056

Sweetspot

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



20.7033, 10.6493, 2.0629



59.2827, 50.8254, 50.1042



23.2590, 10.9548, 47.9020



12.4679, 10.3182, 9.9136



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.



20.7033, 10.6493, 2.0629



37.0259, 19.0503, 3.4136



22.4110, 14.3998, 1.5992



9.5868, 9.5590, 10.2130



14.2815, 7.3437, 1.5099



0.5782, 0.2952, 0.1579

Inverse Universe

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



20.7033, 10.6493, 2.0629



37.0259, 19.0503, 3.4136



15.8758, 17.3996, 49.5351



9.5868, 9.5590, 10.2130



14.2815, 7.3437, 1.5099



0.5782, 0.2952, 0.1579

Previews

White Background



This preview shows how the XYZ color 20.7031, 10.6486, 2.0628 looks on a white background.

Color Contrast Check

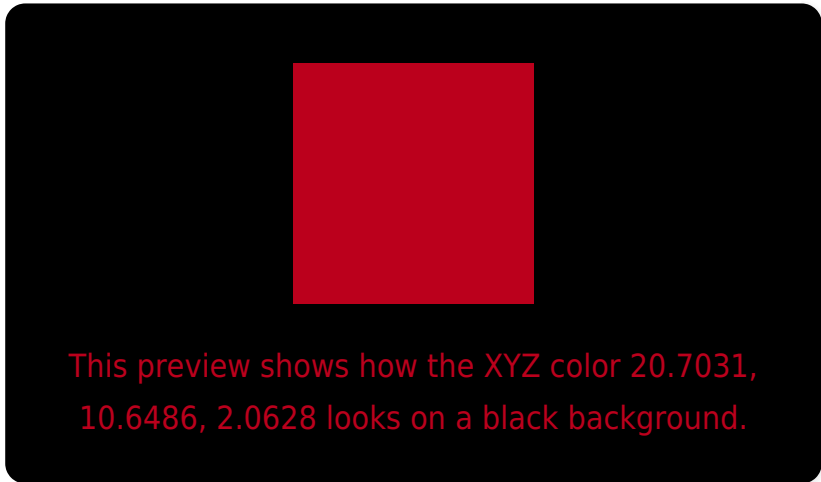
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7031, 10.6486, 2.0628

Background



This preview shows how black text looks on a background with the XYZ color 20.7031, 10.6486, 2.0628.



This preview shows how white text looks on a background with the XYZ color 20.7031, 10.6486,

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

20.7031, 10.6486, 2.0628

Protanopia

10.4110, 11.3849, 4.2336

Deuteranopia

11.4019, 11.3054, 1.5812



Tritanopia

20.4501, 10.8400, 1.0145

Trichromacy



Original Color

20.7031, 10.6486, 2.0628

Protanomaly

11.9737, 8.5291, 2.9347

Deuteranomaly

13.0195, 8.8775, 1.3145

Tritanomaly

20.4242, 10.7004, 1.2761

Monochromacy



Original Color

20.7031, 10.6486, 2.0628

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

7.1705, 4.6638, 3.3186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7031, 10.6486, 2.0628 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, 28)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 28)  
}
```

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, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 28) }
```

Border

The CSS property to change the border of an element to XYZ 20.7031, 10.6486, 2.0628 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, 28) }
```


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

```
.border{ border-color:rgb(187, 0, 28) }
```

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, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 28);  
box-shadow:4px 4px 4px 4px rgb(187, 0, 28)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.7031, 10.6486, 2.0628 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, 28) }
```

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

```
.background{ background-color: rgb(187, 0,  
28) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor