

Converting Colors

XYZ(20.8546, 10.6853, 3.9426)

Have a look what the booklet for
XYZ(20.8546, 10.6853, 3.9426)
contains.

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Color

**XYZ(20.8254, 10.6694,
3.9794)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0032
RGB	186, 0, 50
RGB Percent	73%, 0%, 20%
CMY	0.2706, 0.9999, 0.8039
CMYK	0.00, 1.00, 0.73, 0.27
HSL	344°, 100%, 36%
HSV	344°, 100%, 73%
XYZ	20.8254, 10.6694, 3.9794
YIQ	61.3140, 94.8060, 54.9820

Conversions

Conversions Part 2

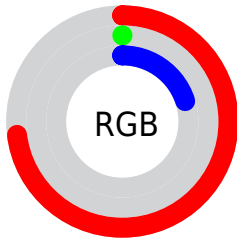
Format	Color
R_{YB}	186, 0, 50
Decimal	12189746
CIE _{Lab}	39.02, 64.28, 28.49
CIE _{LCh}	39, 70.314, 23.900
Yxy	10.6694, 0.5871, 0.3008
Android (android.graphics.Color)	4290379826 (0xFFBA0032)
YUV	61.3140, -5.5778, 109.3496
Hunter-Lab	32.6640, 56.6430, 15.6416

Details

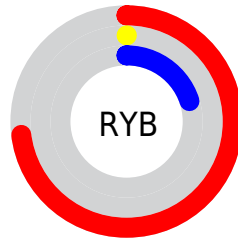
The XYZ color **20.8254, 10.6694, 3.9794** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **22.0056, 36.8963, 29.2672**, and the grayscale version is **4.4812, 4.7145, 5.1341**.

A 20% lighter version of the original color is **44.1955, 27.0189, 13.9521**, and **8.3451, 4.2982, 0.5621** is the 20% darker color. If you saturate the color by 10%, you get **20.8247, 10.6691, 3.9765**, and if you desaturate by 10%, it is **21.3904, 11.2582, 5.8371**.

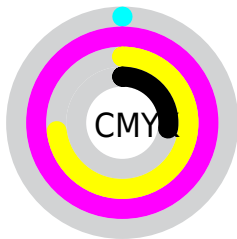
Distribution



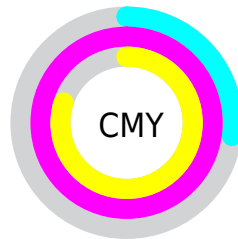
- Red (73%)
- Green (0%)
- Blue (20%)



- Red (73%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (27%)



- Cyan (27%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8254, 10.6694, 3.9794 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 20.8254, 10.6694, 3.9794 by changing the saturation by 10% instead.

■ 20.8254, 10.6694,
3.9794

■ 20.8254, 10.6694,
3.9794

249.0984,
195.3852, 147.9961

■ 13.1082, 5.8450,
1.6141

■ 44.2902, 27.0472,
13.9622

■ 7.5806, 2.7511,
0.3008

■ 60.7686, 39.3694,
22.4168

■ 3.8773, 1.0032,
0.0000

■ 80.8979, 54.9596,
33.7381

■ 1.6330, 0.0000,
0.0000

■ 105.0438, 74.2022,
48.3449

■ 0.4137, 0.0000,
0.0000

■ 133.5714, 97.4817,
66.6555

■ 0.0000, 0.0000,
0.0000

■ 166.8461,

125.1825, 89.0885

205.2334,
157.6888, 116.0626

■ 20.8254, 10.6694,
3.9794

■ 20.8254, 10.6694,
3.9794

■ 20.8247, 10.6691,
3.9765

■ 21.3904, 11.2582,
5.8371

■ 22.2653, 12.3156,
8.2629

■ 23.5358, 14.0034,
11.3166

■ 25.2470, 16.4027,
15.0416

■ 27.4377, 19.5822,
19.4771

■ 30.1421, 23.6024,
24.6591

■ 33.3911, 28.5179,
30.6208

■ 37.2133, 34.3787,
37.3935

■ 41.6351, 41.2309,
45.0069

Harmonies

Analogous

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



22.0144, 10.6694, 14.5843



20.8254, 10.6694, 3.9794



16.4383, 10.6694, 0.7313

Triad

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



20.8254, 10.6694, 3.9794



4.4592, 10.6694, 2.0760



9.2123, 10.6694, 60.8890

Complementary

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



20.8254, 10.6694, 3.9794



22.0056, 36.8963, 29.2672

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.



5.7006, 10.6694, 47.4877



20.8254, 10.6694, 3.9794



3.5561, 10.6694, 9.0825

Square

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



20.8254, 10.6694, 3.9794



6.9079, 10.6694, 0.2089



3.9276, 10.6694, 25.5412



14.2520, 10.6694, 54.8575

Rectangle

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



20.8254, 10.6694, 3.9794



12.8538, 10.6694, 0.0000



3.9276, 10.6694, 25.5412



7.8395, 10.6694, 58.3104

Sweetspot

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



20.8256, 10.6701, 3.9795



60.1953, 51.1904, 54.9099



18.5850, 8.5577, 47.1262



12.6841, 10.4047, 11.0518



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.



20.8256, 10.6701, 3.9795



37.6605, 19.3042, 6.7555



21.0196, 11.9789, 1.2053



9.1011, 9.0508, 9.8797



14.0376, 7.1888, 2.8189



0.5215, 0.2641, 0.2399

Inverse Universe

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



20.8256, 10.6701, 3.9795



37.6605, 19.3042, 6.7555



19.0971, 24.0130, 50.0824



9.1011, 9.0508, 9.8797



14.0376, 7.1888, 2.8189



0.5215, 0.2641, 0.2399

Previews

White Background



This preview shows how the XYZ color 20.8254, 10.6694, 3.9794 looks on a white background.

Color Contrast Check

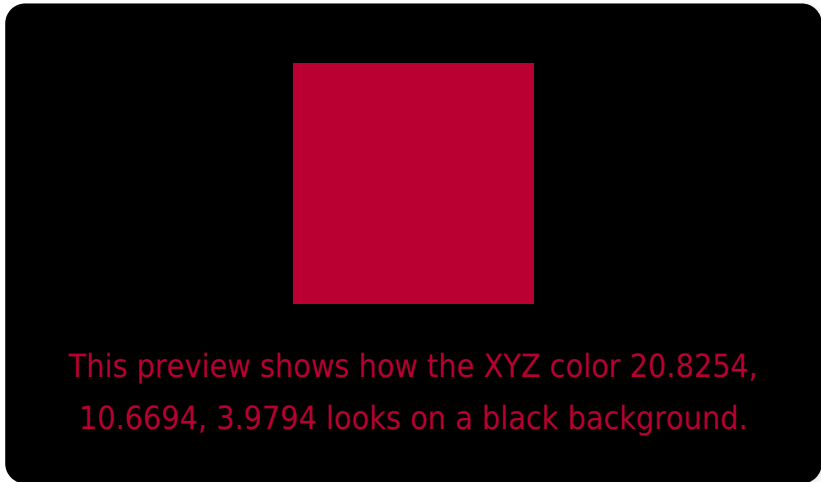
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8254, 10.6694, 3.9794

Background



This preview shows how black text looks on a background with the XYZ color 20.8254, 10.6694, 3.9794.



This preview shows how white text looks on a background with the XYZ color 20.8254, 10.6694,

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

20.8254, 10.6694, 3.9794

Protanopia

10.6395, 11.2801, 8.2731

Deuteranopia

11.3753, 11.2474, 3.5789



Tritanopia

20.3620, 10.8851, 1.4798

Trichromacy



Original Color

20.8254, 10.6694, 3.9794

Protanomaly

12.1149, 8.5306, 6.1623

Deuteranomaly

13.0731, 8.8589, 3.4038

Tritanomaly

20.3611, 10.6860, 2.0881

Monochromacy



Original Color

20.8254, 10.6694, 3.9794

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.4079, 4.8106, 4.4090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8254, 10.6694, 3.9794 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(186, 0, 50)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 50)  
}
```

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(186, 0, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 50) }
```

Border

The CSS property to change the border of an element to XYZ 20.8254, 10.6694, 3.9794 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(186, 0, 50) }
```


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

```
.border{ border-color:rgb(186, 0, 50) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 50);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 50)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.8254, 10.6694, 3.9794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 50) }
```

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

```
.background{ background-color: rgb(186, 0,  
50) }
```

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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