

Converting Colors

XYZ(20.3604, 10.4166, 4.5484)

Have a look what the booklet for
XYZ(20.3604, 10.4166, 4.5484)
contains.

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Color

**XYZ(20.4568, 10.4662,
4.5564)**

Conversions

Conversions Part 1

Format	Color
Hex	B80037
RGB	184, 0, 55
RGB Percent	72%, 0%, 22%
CMY	0.2784, 0.9999, 0.7843
CMYK	0.00, 1.00, 0.70, 0.28
HSL	342°, 100%, 36%
HSV	342°, 100%, 72%
XYZ	20.4568, 10.4662, 4.5564
YIQ	61.2860, 92.0090, 56.1130

Conversions

Conversions Part 2

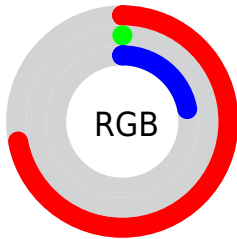
Format	Color
RYB	184, 0, 55
Decimal	12058679
CIELab	38.67, 64.01, 24.82
CIElCh	39, 68.653, 21.191
Yxy	10.4662, 0.5766, 0.2950
Android (android.graphics.Color)	4290248759 (0xFFB80037)
YUV	61.2860, -3.0990, 107.6202
Hunter-Lab	32.3515, 56.2556, 14.2956

Details

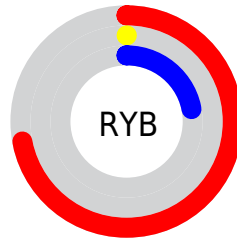
The XYZ color **20.4568, 10.4662, 4.5564** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.1054, 35.8669, 26.5908**, and the grayscale version is **4.4738, 4.7068, 5.1257**.

A 20% lighter version of the original color is **43.7240, 26.7483, 15.1704**, and **8.0987, 4.1666, 0.7582** is the 20% darker color. If you saturate the color by 10%, you get **20.4561, 10.4659, 4.5535**, and if you desaturate by 10%, it is **21.0309, 11.0532, 6.4783**.

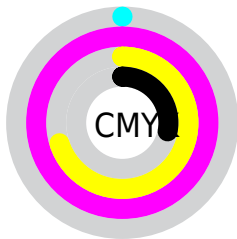
Distribution



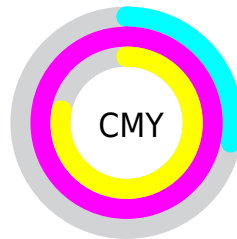
- Red (72%)
- Green (0%)
- Blue (22%)



- Red (72%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4568, 10.4662, 4.5564 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 20.4568, 10.4662, 4.5564 by changing the saturation by 10% instead.


 20.4568, 10.4662,
4.5564


 20.4568, 10.4662,
4.5564


247.1641,
193.9678, 154.2224


 12.8377, 5.7091,
1.9353


 43.6799, 26.6688,
15.2739


 7.3931, 2.6690,
0.5150


 60.0145, 38.8831,
24.2074


 3.7577, 0.9615,
0.0000

 79.9851, 54.3519,
36.0821

 1.5660, 0.0000,
0.0000

 103.9570, 73.4596,
51.3165

 0.3701, 0.0000,
0.0000

 132.2954, 96.5907,
70.3292

 0.0000, 0.0000,
0.0000

 165.3659,

124.1295, 93.5387

203.5337,
156.4604, 121.3636

■ 20.4568, 10.4662,
4.5564

■ 20.4568, 10.4662,
4.5564

■ 20.4561, 10.4659,
4.5535

■ 21.0309, 11.0532,
6.4783

■ 21.9014, 12.0942,
8.9263

■ 23.1516, 13.7477,
11.9542

■ 24.8247, 16.0923,
15.6001

■ 26.9576, 19.1945,
19.8983

■ 29.5830, 23.1130,
24.8806

■ 32.7305, 27.9008,
30.5763

■ 36.4274, 33.6063,
37.0130

■ 40.6988, 40.2742,
44.2169

Harmonies

Analogous

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



21.2518, 10.4662, 15.6507



20.4568, 10.4662, 4.5564



16.4529, 10.4662, 0.9207

Triad

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



20.4568, 10.4662, 4.5564



4.5941, 10.4662, 1.8295



8.6748, 10.4662, 57.9678

Complementary

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



20.4568, 10.4662, 4.5564



21.1054, 35.8669, 26.5908

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.



5.4329, 10.4662, 43.8987



20.4568, 10.4662, 4.5564



3.5918, 10.4662, 7.9919

Square

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



20.4568, 10.4662, 4.5564



7.1241, 10.4662, 0.1856



3.8436, 10.4662, 22.9757



13.4336, 10.4662, 53.9526

Rectangle

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



20.4568, 10.4662, 4.5564



13.0228, 10.4662, 0.1174



3.8436, 10.4662, 22.9757



7.3995, 10.4662, 54.9570

Sweetspot

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



20.4570, 10.4669, 4.5565



59.0126, 50.0867, 54.8587



17.6764, 8.1136, 45.9817



12.1864, 9.9801, 10.8669



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.4570, 10.4669, 4.5565



36.9907, 18.9357, 7.7714



20.4234, 11.5027, 1.1448



9.1121, 9.0552, 9.9377



14.1260, 7.2241, 3.2842



0.5262, 0.2659, 0.2643

Inverse Universe

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



20.4570, 10.4669, 4.5565



36.9907, 18.9357, 7.7714



19.1179, 24.3926, 49.0478



9.1121, 9.0552, 9.9377



14.1260, 7.2241, 3.2842



0.5262, 0.2659, 0.2643

Previews

White Background



This preview shows how the XYZ color 20.4568, 10.4662, 4.5564 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 20.4568, 10.4662, 4.5564

Background



This preview shows how black text looks on a background with the XYZ color 20.4568, 10.4662, 4.5564.



This preview shows how white text looks on a background with the XYZ color 20.4568, 10.4662,

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

20.4568, 10.4662, 4.5564

Protanopia

10.4743, 11.0346, 9.5605

Deuteranopia

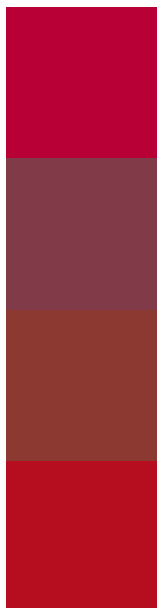
11.1358, 10.9869, 4.1185



Tritanopia

19.9245, 10.6848, 1.5845

Trichromacy



Original Color

20.4568, 10.4662, 4.5564

Protanomaly

11.7869, 8.2629, 7.1046

Deuteranomaly

12.8327, 8.7235, 3.9132

Tritanomaly

19.9328, 10.4803, 2.2686

Monochromacy



Original Color

20.4568, 10.4662, 4.5564

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.4588, 4.8310, 4.6770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4568, 10.4662, 4.5564 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(184, 0, 55)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 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(184, 0, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 55) }
```

Border

The CSS property to change the border of an element to XYZ 20.4568, 10.4662, 4.5564 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(184, 0, 55) }
```


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

```
.border{ border-color:rgb(184, 0, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 0, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 55);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 55)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.4568, 10.4662, 4.5564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 55) }
```

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

```
.background{ background-color: rgb(184, 0,  
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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