

Converting Colors

XYZ(20.3319, 10.4052, 4.3984)

Have a look what the booklet for
XYZ(20.3319, 10.4052, 4.3984)
contains.

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Color

**XYZ(20.4330, 10.4567,
4.4314)**

Conversions

Conversions Part 1

Format	Color
Hex	B80036
RGB	184, 0, 54
RGB Percent	72%, 0%, 21%
CMY	0.2784, 0.9999, 0.7882
CMYK	0.00, 1.00, 0.71, 0.28
HSL	342°, 100%, 36%
HSV	342°, 100%, 72%
XYZ	20.4330, 10.4567, 4.4314
YIQ	61.1720, 92.3300, 55.8020

Conversions

Conversions Part 2

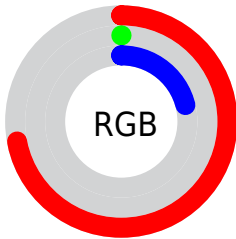
Format	Color
R_{YB}	184, 0, 54
Decimal	12058678
CIE Lab	38.65, 63.97, 25.43
CIE LCh	39, 68.835, 21.680
Yxy	10.4567, 0.5785, 0.2960
Android (android.graphics.Color)	4290248758 (0xFFB80036)
YUV	61.1720, -3.5358, 107.7202
Hunter-Lab	32.3368, 56.2012, 14.5107

Details

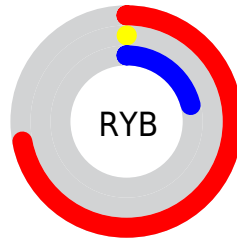
The XYZ color **20.4330, 10.4567, 4.4314** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.1723, 35.8936, 26.9433**, and the grayscale version is **4.4583, 4.6905, 5.1079**.

A 20% lighter version of the original color is **43.6005, 26.5791, 14.8889**, and **8.0924, 4.1641, 0.7251** is the 20% darker color. If you saturate the color by 10%, you get **20.4323, 10.4564, 4.4284**, and if you desaturate by 10%, it is **21.0036, 11.0424, 6.3349**.

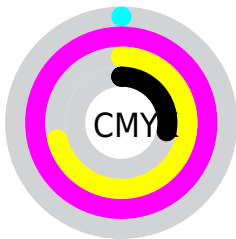
Distribution



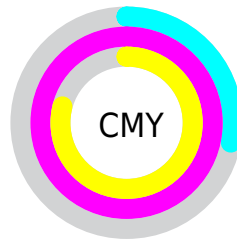
- Red (72%)
- Green (0%)
- Blue (21%)



- Red (72%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4330, 10.4567, 4.4314 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 20.4330, 10.4567, 4.4314 by changing the saturation by 10% instead.


 20.4330, 10.4567,
4.4314


 20.4330, 10.4567,
4.4314


247.0388,
193.9013, 152.9061


 12.8203, 5.7028,
1.8649


 43.6404, 26.6510,
14.9931


 7.3810, 2.6652,
0.4702


 59.9657, 38.8603,
23.8253


 3.7500, 0.9596,
0.0000

 79.9260, 54.3234,
35.5832

 1.5617, 0.0000,
0.0000

 103.8866, 73.4248,
50.6852

 0.3672, 0.0000,
0.0000

 132.2128, 96.5489,
69.5500

 0.0000, 0.0000,
0.0000

 165.2700,

124.0801, 92.5960

203.4235,
156.4027, 120.2419

■ 20.4330, 10.4567,
4.4314

■ 20.4330, 10.4567,
4.4314

■ 20.4323, 10.4564,
4.4284

■ 21.0036, 11.0424,
6.3349

■ 21.8716, 12.0824,
8.7697

■ 23.1205, 13.7354,
11.7902

■ 24.7935, 16.0799,
15.4352

■ 26.9276, 19.1827,
19.7399

■ 29.5557, 23.1024,
24.7363

■ 32.7075, 27.8919,
30.4546

■ 36.4103, 33.5998,
36.9227

■ 40.6895, 40.2709,
44.1672

Harmonies

Analogous

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



21.2930, 10.4567, 15.3916



20.4330, 10.4567, 4.4314



16.3793, 10.4567, 0.8832

Triad

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



20.4330, 10.4567, 4.4314



4.5504, 10.4567, 1.8636



8.7305, 10.4567, 58.2243

Complementary

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



20.4330, 10.4567, 4.4314



21.1723, 35.8936, 26.9433

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.



5.4561, 10.4567, 44.3273



20.4330, 10.4567, 4.4314



3.5701, 10.4567, 8.1430

Square

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



20.4330, 10.4567, 4.4314



7.0550, 10.4567, 0.1868



3.8418, 10.4567, 23.3153



13.5175, 10.4567, 53.8775

Rectangle

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



20.4330, 10.4567, 4.4314



12.9368, 10.4567, 0.0903



3.8418, 10.4567, 23.3153



7.4439, 10.4567, 55.3001

Sweetspot

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



20.4332, 10.4574, 4.4315



58.9701, 50.0697, 54.6348



17.6764, 8.1137, 45.9815



12.1765, 9.9761, 10.8146



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.



20.4332, 10.4574, 4.4315



36.9489, 18.9190, 7.5510



20.4234, 11.5028, 1.1448



9.1101, 9.0544, 9.9272



14.1093, 7.2175, 3.1962



0.5253, 0.2656, 0.2599

Inverse Universe

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



20.4332, 10.4574, 4.4315



36.9489, 18.9190, 7.5510



19.1179, 24.3926, 49.0477



9.1101, 9.0544, 9.9272



14.1093, 7.2175, 3.1962



0.5253, 0.2656, 0.2599

Previews

White Background



This preview shows how the XYZ color 20.4330, 10.4567, 4.4314 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 20.4330, 10.4567, 4.4314

Background



This preview shows how black text looks on a background with the XYZ color 20.4330, 10.4567, 4.4314.



This preview shows how white text looks on a background with the XYZ color 20.4330, 10.4567,

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

20.4330, 10.4567, 4.4314

Protanopia

10.3993, 11.0046, 9.1654

Deuteranopia

11.2485, 11.0472, 4.0221



Tritanopia

19.9165, 10.6816, 1.5423

Trichromacy



Original Color

20.4330, 10.4567, 4.4314

Protanomaly

11.7546, 8.2500, 6.9341

Deuteranomaly

12.9811, 8.8024, 3.8112

Tritanomaly

19.9198, 10.4751, 2.2003

Monochromacy



Original Color

20.4330, 10.4567, 4.4314

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.4331, 4.8207, 4.5417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4330, 10.4567, 4.4314 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, 54)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 54)  
}
```

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, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 54) }
```

Border

The CSS property to change the border of an element to XYZ 20.4330, 10.4567, 4.4314 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, 54) }
```


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

```
.border{ border-color:rgb(184, 0, 54) }
```

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, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 54);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 54)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.4330, 10.4567, 4.4314 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, 54) }
```

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

```
.background{ background-color: rgb(184, 0,  
54) }
```

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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