

Converting Colors

XYZ(20.5686, 10.5414, 3.9081)

Have a look what the booklet for
XYZ(20.5686, 10.5414, 3.9081)
contains.

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Color

**XYZ(20.5620, 10.5360,
3.8557)**

Conversions

Conversions Part 1

Format	Color
Hex	B90031
RGB	185, 0, 49
RGB Percent	73%, 0%, 19%
CMY	0.2745, 0.9999, 0.8078
CMYK	0.00, 1.00, 0.74, 0.27
HSL	344°, 100%, 36%
HSV	344°, 100%, 73%
XYZ	20.5620, 10.5360, 3.8557
YIQ	60.9010, 94.5310, 54.4590

Conversions

Conversions Part 2

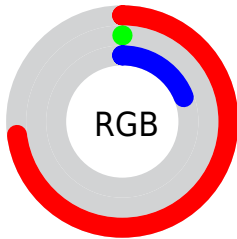
Format	Color
R_{YB}	185, 0, 49
Decimal	12124209
CIE Lab	38.79, 64.00, 28.78
CIE LCh	39, 70.176, 24.216
Yxy	10.5360, 0.5883, 0.3014
Android (android.graphics.Color)	4290314289 (0xFFB90031)
YUV	60.9010, -5.8672, 108.8348
Hunter-Lab	32.4592, 56.2712, 15.6786

Details

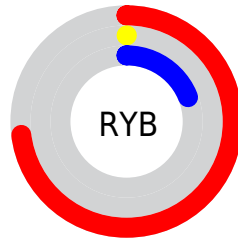
The XYZ color **20.5620, 10.5360, 3.8557** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.7953, 36.4764, 29.1954**, and the grayscale version is **4.4225, 4.6528, 5.0669**.

A 20% lighter version of the original color is **43.7943, 26.8173, 13.6945**, and **8.1903, 4.2197, 0.4977** is the 20% darker color. If you saturate the color by 10%, you get **20.5614, 10.5358, 3.8533**, and if you desaturate by 10%, it is **21.1187, 11.1187, 5.6777**.

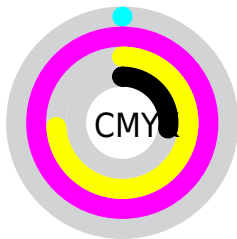
Distribution



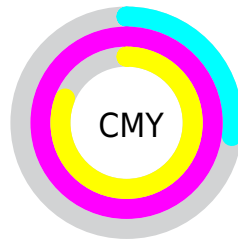
- Red (73%)
- Green (0%)
- Blue (19%)



- Red (73%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (27%)



- Cyan (27%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5620, 10.5360, 3.8557 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 20.5620, 10.5360, 3.8557 by changing the saturation by 10% instead.

■ 20.5620, 10.5360,
3.8557

■ 20.5620, 10.5360,
3.8557

247.7175,
194.4560, 146.6077

■ 12.9148, 5.7558,
1.5465

■ 43.8542, 26.7989,
13.6756

■ 7.4465, 2.6971,
0.2522

■ 60.2300, 39.0504,
22.0233

■ 3.7917, 0.9757,
0.0000

■ 80.2460, 54.5610,
33.2211

■ 1.5850, 0.0000,
0.0000

■ 104.2677, 73.7152,
47.6873

■ 0.3826, 0.0000,
0.0000

■ 132.6603, 96.8974,
65.8405

■ 0.0000, 0.0000,
0.0000

■ 165.7893,

124.4920, 88.0993

204.0199,
156.8834, 114.8822

■ 20.5620, 10.5360,
3.8557

■ 20.5620, 10.5360,
3.8557

■ 20.5614, 10.5358,
3.8533

■ 21.1187, 11.1187,
5.6777

■ 21.9817, 12.1639,
8.0642

■ 23.2363, 13.8322,
11.0751

■ 24.9271, 16.2033,
14.7537

■ 27.0923, 19.3453,
19.1392

■ 29.7658, 23.3179,
24.2676

■ 32.9783, 28.1750,
30.1722

■ 36.7580, 33.9658,
36.8843

■ 41.1311, 40.7361,
44.4332

Harmonies

Analogous

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



21.7810, 10.5360, 14.2462



20.5620, 10.5360, 3.8557



16.1939, 10.5360, 0.6954

Triad

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



20.5620, 10.5360, 3.8557



4.3775, 10.5360, 2.0757



9.1412, 10.5360, 60.3433

Complementary

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



20.5620, 10.5360, 3.8557



21.7953, 36.4764, 29.1954

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.



5.6485, 10.5360, 47.2244



20.5620, 10.5360, 3.8557



3.4993, 10.5360, 9.0834

Square

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



20.5620, 10.5360, 3.8557



6.7805, 10.5360, 0.2010



3.8795, 10.5360, 25.4797



14.1405, 10.5360, 54.1565

Rectangle

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



20.5620, 10.5360, 3.8557



12.6441, 10.5360, 0.0000



3.8795, 10.5360, 25.4797



7.7768, 10.5360, 57.8562

Sweetspot

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



20.5622, 10.5367, 3.8558



58.7485, 49.9811, 53.4682



18.8578, 8.7105, 46.5861



12.1249, 9.9555, 10.5426



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.



20.5622, 10.5367, 3.8558



36.7435, 18.8369, 6.4696



20.8785, 12.0559, 1.2275



9.0996, 9.0502, 9.8721



14.0268, 7.1845, 2.7619



0.5209, 0.2639, 0.2367

Inverse Universe

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



20.5622, 10.5367, 3.8558



36.7435, 18.8369, 6.4696



18.4065, 22.8014, 49.3298



9.0996, 9.0502, 9.8721



14.0268, 7.1845, 2.7619



0.5209, 0.2639, 0.2367

Previews

White Background



This preview shows how the XYZ color 20.5620, 10.5360, 3.8557 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 20.5620, 10.5360, 3.8557

Background



This preview shows how black text looks on a background with the XYZ color 20.5620, 10.5360, 3.8557.



This preview shows how white text looks on a background with the XYZ color 20.5620, 10.5360,

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

20.5620, 10.5360, 3.8557

Protanopia

10.4608, 11.1958, 7.9130

Deuteranopia

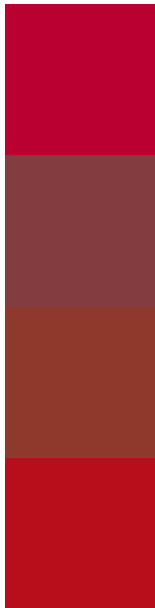
11.2747, 11.0731, 3.4625



Tritanopia

20.0966, 10.7224, 1.4259

Trichromacy



Original Color

20.5620, 10.5360, 3.8557

Protanomaly

11.9013, 8.4272, 5.8498

Deuteranomaly

13.0545, 8.8515, 3.3060

Tritanomaly

20.1089, 10.5573, 2.0148

Monochromacy



Original Color

20.5620, 10.5360, 3.8557

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 20.5620, 10.5360, 3.8557 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(185, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(185, 0, 49)  
}
```

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(185, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 0, 49) }
```

Border

The CSS property to change the border of an element to XYZ 20.5620, 10.5360, 3.8557 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(185, 0, 49) }
```


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

```
.border{ border-color:rgb(185, 0, 49) }
```

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

Here you see how a box with a 4 pixel rgb(185, 0, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(185, 0, 49)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.5620, 10.5360, 3.8557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 0, 49) }
```

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

```
.background{ background-color: rgb(185, 0,  
49) }
```

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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