

Converting Colors

XYZ(18.4890, 6.1962, 4.0541)

Have a look what the booklet for
XYZ(18.4890, 6.1962, 4.0541)
contains.

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Color

**XYZ(20.7461, 10.6097,
4.8253)**

Conversions

Conversions Part 1

Format	Color
Hex	B90039
RGB	185, 0, 57
RGB Percent	73%, 0%, 22%
CMY	0.2745, 0.9999, 0.7765
CMYK	0.00, 1.00, 0.69, 0.27
HSL	342°, 100%, 36%
HSV	342°, 100%, 73%
XYZ	20.7461, 10.6097, 4.8253
YIQ	61.8130, 91.9630, 56.9470

Conversions

Conversions Part 2

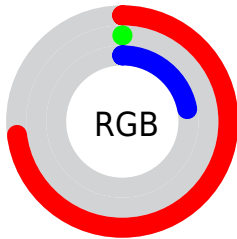
Format	Color
R_{YB}	185, 0, 57
Decimal	12124217
CIE _{Lab}	38.92, 64.34, 23.91
CIE _{LCh}	39, 68.642, 20.381
Yxy	10.6097, 0.5734, 0.2932
Android (android.graphics.Color)	4290314297 (0xFFB90039)
YUV	61.8130, -2.3728, 108.0350
Hunter-Lab	32.5725, 56.6883, 14.0175

Details

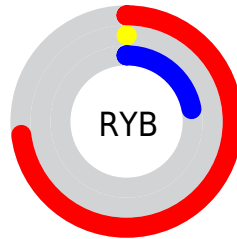
The XYZ color **20.7461, 10.6097, 4.8253** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.2478, 36.2573, 26.3121**, and the grayscale version is **4.5484, 4.7853, 5.2112**.

A 20% lighter version of the original color is **44.2274, 26.9905, 15.9754**, and **8.2619, 4.2484, 0.8748** is the 20% darker color. If you saturate the color by 10%, you get **20.7454, 10.6094, 4.8222**, and if you desaturate by 10%, it is **21.3318, 11.2040, 6.8000**.

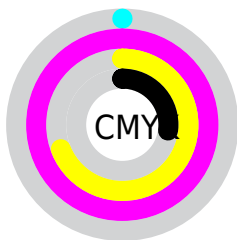
Distribution



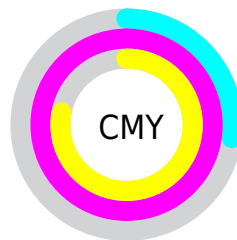
- Red (73%)
- Green (0%)
- Blue (22%)



- Red (73%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7461, 10.6097, 4.8253 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 20.7461, 10.6097, 4.8253 by changing the saturation by 10% instead.


 20.7461, 10.6097,
4.8253


 20.7461, 10.6097,
4.8253


248.6834,
194.9699, 156.9990


 13.0499, 5.8050,
2.0882


 44.1591, 26.9361,
15.8724


 7.5402, 2.7269,
0.6087


 60.6066, 39.2267,
25.0194


 3.8515, 0.9909,
0.0000

 80.7019, 54.7814,
37.1402

 1.6185, 0.0000,
0.0000

 104.8104, 73.9845,
52.6533

 0.4044, 0.0000,
0.0000

 133.2975, 97.2206,
71.9771

 0.0000, 0.0000,
0.0000

 166.5284,

124.8739, 95.5303

204.8686,
157.3289, 123.7314

■ 20.7461, 10.6097,
4.8253

■ 20.7461, 10.6097,
4.8253

■ 20.7454, 10.6094,
4.8222

■ 21.3318, 11.2040,
6.8000

■ 22.2162, 12.2579,
9.2989

■ 23.4832, 13.9312,
12.3750

■ 25.1764, 16.3035,
16.0657

■ 27.3329, 19.4421,
20.4049

■ 29.9857, 23.4065,
25.4237

■ 33.1646, 28.2502,
31.1509

■ 36.8970, 34.0223,
37.6138

■ 41.2085, 40.7680,
44.8380

Harmonies

Analogous

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



21.4426, 10.6097, 16.2795



20.7461, 10.6097, 4.8253



16.7768, 10.6097, 0.9945

Triad

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



20.7461, 10.6097, 4.8253



4.7235, 10.6097, 1.7959



8.6882, 10.6097, 58.2498

Complementary

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



20.7461, 10.6097, 4.8253



21.2478, 36.2573, 26.3121

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.



5.4606, 10.6097, 43.7266



20.7461, 10.6097, 4.8253



3.6719, 10.6097, 7.8419

Square

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



20.7461, 10.6097, 4.8253



7.3271, 10.6097, 0.1923



3.8934, 10.6097, 22.6976



13.4585, 10.6097, 54.7364

Rectangle

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



20.7461, 10.6097, 4.8253



13.3260, 10.6097, 0.1704



3.8934, 10.6097, 22.6976



7.4161, 10.6097, 55.0595

Sweetspot

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



20.7463, 10.6104, 4.8254



59.0847, 50.1155, 55.2383



17.4246, 7.9717, 46.5190



12.2033, 9.9868, 10.9556



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.



20.7463, 10.6104, 4.8254



37.0635, 18.9648, 8.1545



20.5781, 11.4552, 1.1275



9.1155, 9.0566, 9.9554



14.1550, 7.2357, 3.4368



0.5276, 0.2665, 0.2717

Inverse Universe

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



20.7463, 10.6104, 4.8254



37.0635, 18.9648, 8.1545



19.8383, 25.6649, 49.8069



9.1155, 9.0566, 9.9554



14.1550, 7.2357, 3.4368



0.5276, 0.2665, 0.2717

Previews

White Background



This preview shows how the XYZ color 20.7461, 10.6097, 4.8253 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



This preview shows how the XYZ color 20.7461, 10.6097, 4.8253 looks on a 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 20.7461, 10.6097, 4.8253

Background



This preview shows how black text looks on a background with the XYZ color 20.7461, 10.6097, 4.8253.



This preview shows how white text looks on a background with the XYZ color 20.7461, 10.6097,

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

20.7461, 10.6097, 4.8253

Protanopia

10.6399, 11.2422, 9.9967

Deuteranopia

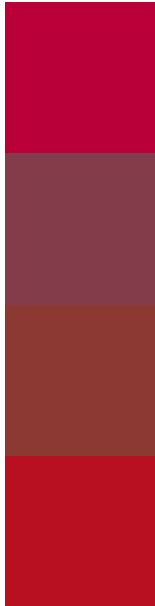
11.3921, 11.2387, 4.3652



Tritanopia

20.1911, 10.8502, 1.6462

Trichromacy



Original Color

20.7461, 10.6097, 4.8253

Protanomaly

12.0578, 8.4720, 7.4783

Deuteranomaly

13.0452, 8.8280, 4.1484

Tritanomaly

20.2125, 10.6418, 2.4276

Monochromacy



Original Color

20.7461, 10.6097, 4.8253

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.6045, 4.9031, 4.8206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7461, 10.6097, 4.8253 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, 57)` looks like.

```
.text, #text, p{  
    color:rgb(185, 0, 57)  
}
```

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, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 0, 57) }
```

Border

The CSS property to change the border of an element to XYZ 20.7461, 10.6097, 4.8253 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, 57) }
```


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

```
.border{ border-color:rgb(185, 0, 57) }
```

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, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 0, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 0, 57);  
box-shadow:4px 4px 4px 4px rgb(185, 0, 57)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.7461, 10.6097, 4.8253 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, 57) }
```

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

```
.background{ background-color: rgb(185, 0,  
57) }
```

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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