

Converting Colors

XYZ(20.6837, 10.3192, 6.0775)

Have a look what the booklet for
XYZ(20.6837, 10.3192, 6.0775)
contains.

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Color

**XYZ(20.7505, 10.5837,
6.1034)**

Conversions

Conversions Part 1

Format	Color
Hex	B80042
RGB	184, 0, 66
RGB Percent	72%, 0%, 26%
CMY	0.2784, 0.9999, 0.7412
CMYK	0.00, 1.00, 0.64, 0.28
HSL	338°, 100%, 36%
HSV	338°, 100%, 72%
XYZ	20.7505, 10.5837, 6.1034
YIQ	62.5400, 88.4780, 59.5340

Conversions

Conversions Part 2

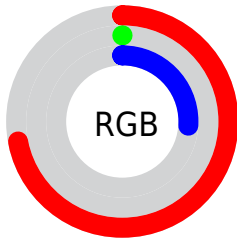
Format	Color
RYB	184, 0, 66
Decimal	12058690
CIELab	38.87, 64.56, 18.06
CIELCh	39, 67.039, 15.630
Yxy	10.5837, 0.5543, 0.2827
Android (android.graphics.Color)	4290248770 (0xFFB80042)
YUV	62.5400, 1.7058, 106.5204
Hunter-Lab	32.5326, 56.9219, 11.6495

Details

The XYZ color **20.7505, 10.5837, 6.1034** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **20.4128, 35.5897, 22.9436**, and the grayscale version is **4.6484, 4.8905, 5.3257**.

A 20% lighter version of the original color is **44.0040, 26.8197, 18.4802**, and **8.3332, 4.2769, 1.2505** is the 20% darker color. If you saturate the color by 10%, you get **20.7497, 10.5834, 6.1000**, and if you desaturate by 10%, it is **21.3585, 11.1843, 8.2037**.

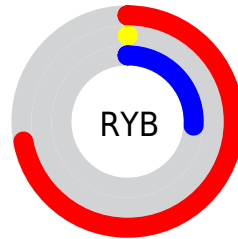
Distribution



Red (72%)

Green (0%)

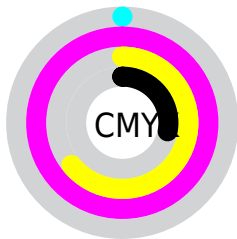
Blue (26%)



Red (72%)

Yellow (0%)

Blue (26%)

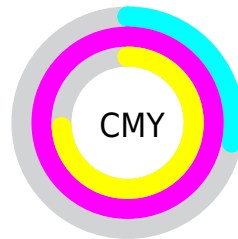


Cyan (0%)

Magenta (100%)

Yellow (64%)

Black (28%)



Cyan (28%)


Magenta (100%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7505, 10.5837, 6.1034 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 20.7505, 10.5837, 6.1034 by changing the saturation by 10% instead.


 20.7505, 10.5837,
6.1034


 20.7505, 10.5837,
6.1034


248.7064,
194.7888, 169.3285

 13.0532, 5.7877,
2.8383


 44.1663, 26.8877,
18.6265


 7.5424, 2.7164,
1.0126


 60.6156, 39.1645,
28.7215


 3.8529, 0.9855,
0.0000

 80.7128, 54.7037,
41.9303

 1.6193, 0.0000,
0.0000

 104.8234, 73.8896,
58.6713

 0.4049, 0.0000,
0.0000

 133.3127, 97.1067,
79.3630

 0.0000, 0.0000,
0.0000

 166.5460,

124.7393, 104.4241

204.8888,
157.1719, 134.2731

■ 20.7505, 10.5837,
6.1034

■ 20.7505, 10.5837,
6.1034

■ 20.7497, 10.5834,
6.1000

■ 21.3585, 11.1843,
8.2037

■ 22.2521, 12.2346,
10.7735

■ 23.5133, 13.8925,
13.8588

■ 25.1838, 16.2360,
17.4909

■ 27.2994, 19.3314,
21.6981

■ 29.8918, 23.2367,
26.5062

■ 32.9895, 28.0046,
31.9395

■ 36.6188, 33.6831,
38.0208

■ 40.8042, 40.3167,
44.7714

Harmonies

Analogous

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



20.8295, 10.5837, 18.7359



20.7505, 10.5837, 6.1034



17.3053, 10.5837, 1.3846

Triad

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



20.7505, 10.5837, 6.1034



5.1000, 10.5837, 1.4794



8.0824, 10.5837, 55.2740

Complementary

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



20.7505, 10.5837, 6.1034



20.4128, 35.5897, 22.9436

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.



5.1850, 10.5837, 39.4049



20.7505, 10.5837, 6.1034



3.8401, 10.5837, 6.4504

Square

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



20.7505, 10.5837, 6.1034



7.9263, 10.5837, 0.1719



3.8658, 10.5837, 19.4646



12.5446, 10.5837, 54.8784

Rectangle

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



20.7505, 10.5837, 6.1034



14.0181, 10.5837, 0.4161



3.8658, 10.5837, 19.4646



6.9266, 10.5837, 51.3428

Sweetspot

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



20.7508, 10.5844, 6.1035



59.4873, 50.2766, 57.3583



15.9272, 7.2119, 45.8996



12.2976, 10.0246, 11.4522



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.



20.7508, 10.5844, 6.1035



37.5112, 19.1439, 10.5118



20.1056, 10.8671, 1.0389



9.1341, 9.0640, 10.0536



14.3317, 7.3065, 4.3677



0.5354, 0.2696, 0.3127

Inverse Universe

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



20.7508, 10.5844, 6.1035



37.5112, 19.1439, 10.5118



21.1313, 28.4194, 49.7188



9.1341, 9.0640, 10.0536



14.3317, 7.3065, 4.3677



0.5354, 0.2696, 0.3127

Previews

White Background



This preview shows how the XYZ color 20.7505, 10.5837, 6.1034 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 20.7505, 10.5837, 6.1034 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 20.7505, 10.5837, 6.1034

Background



This preview shows how black text looks on a background with the XYZ color 20.7505, 10.5837, 6.1034.



This preview shows how white text looks on a background with the XYZ color 20.7505, 10.5837,

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

20.7505, 10.5837, 6.1034

Protanopia

10.8797, 11.3014, 12.9172

Deuteranopia

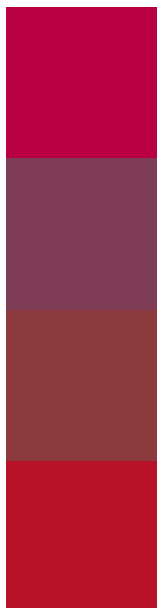
11.3593, 11.1952, 5.5652



Tritanopia

20.0852, 10.9171, 1.9128

Trichromacy



Original Color

20.7505, 10.5837, 6.1034

Protanomaly

12.0480, 8.4156, 9.7935

Deuteranomaly

12.9529, 8.7521, 5.4215

Tritanomaly

20.0951, 10.6147, 2.9092

Monochromacy



Original Color

20.7505, 10.5837, 6.1034

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.7476, 5.0135, 5.4099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7505, 10.5837, 6.1034 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 66)  
}
```

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, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 66) }
```

Border

The CSS property to change the border of an element to XYZ 20.7505, 10.5837, 6.1034 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, 66) }
```


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

```
.border{ border-color:rgb(184, 0, 66) }
```

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, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 66);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 66)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.7505, 10.5837, 6.1034 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, 66) }
```

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

```
.background{ background-color: rgb(184, 0,  
66) }
```

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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