

Converting Colors

XYZ(20.7889, 10.5880, 6.8047)

Have a look what the booklet for
XYZ(20.7889, 10.5880, 6.8047)
contains.

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Color

**XYZ(20.8727, 10.6325,
6.7465)**

Conversions

Conversions Part 1

Format	Color
Hex	B80046
RGB	184, 0, 70
RGB Percent	72%, 0%, 27%
CMY	0.2784, 0.9999, 0.7255
CMYK	0.00, 1.00, 0.62, 0.28
HSL	337°, 100%, 36%
HSV	337°, 100%, 72%
XYZ	20.8727, 10.6325, 6.7465
YIQ	62.9960, 87.1940, 60.7780

Conversions

Conversions Part 2

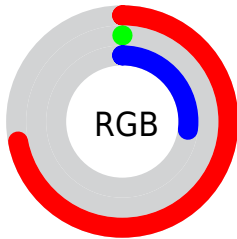
Format	Color
RYB	184, 0, 70
Decimal	12058694
CIELab	38.95, 64.79, 15.61
CIELCh	39, 66.640, 13.545
Yxy	10.6325, 0.5457, 0.2780
Android (android.graphics.Color)	4290248774 (0xFFB80046)
YUV	62.9960, 3.4530, 106.1205
Hunter-Lab	32.6075, 57.1981, 10.5581

Details

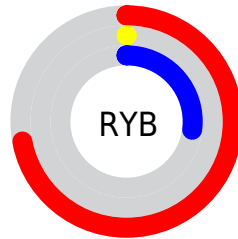
The XYZ color **20.8727, 10.6325, 6.7465** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **20.1797, 35.4967, 21.7160**, and the grayscale version is **4.7124, 4.9578, 5.3990**.

A 20% lighter version of the original color is **44.2933, 26.9354, 20.0041**, and **8.3780, 4.2948, 1.4860** is the 20% darker color. If you saturate the color by 10%, you get **20.8721, 10.6323, 6.7436**, and if you desaturate by 10%, it is **21.4908, 11.2371, 8.9001**.

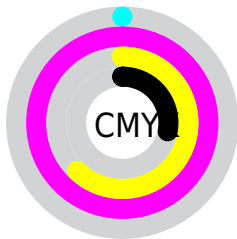
Distribution



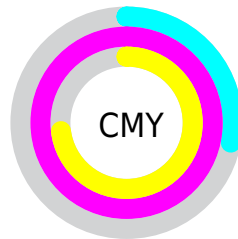
- Red (72%)
- Green (0%)
- Blue (27%)



- Red (72%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8727, 10.6325, 6.7465 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 20.8727, 10.6325, 6.7465 by changing the saturation by 10% instead.


 20.8727, 10.6325,
6.7465


 20.8727, 10.6325,
6.7465


249.3457,
195.1286, 175.0906


 13.1429, 5.8203,
3.2280


 44.3684, 26.9786,
19.9655


 7.6047, 2.7361,
1.2122


 60.8651, 39.2812,
30.5031

 3.8927, 0.9956,
0.0000

 81.0148, 54.8495,
44.2175

 1.6416, 0.0000,
0.0000

 105.1828, 74.0677,
61.5273

 0.4193, 0.0000,
0.0000

 133.7346, 97.3204,
82.8510

 0.0000, 0.0000,
0.0000

 167.0354,

124.9918, 108.6070

205.4507,
157.4664, 139.2141

■ 20.8727, 10.6325,
6.7465

■ 20.8727, 10.6325,
6.7465

■ 20.8721, 10.6323,
6.7436

■ 21.4908, 11.2371,
8.9001

■ 22.3905, 12.2897,
11.5024

■ 23.6534, 13.9481,
14.5971

■ 25.3208, 16.2903,
18.2132

■ 27.4281, 19.3821,
22.3772

■ 30.0067, 23.2818,
27.1132

■ 33.0847, 28.0417,
32.4438

■ 36.6884, 33.7097,
38.3902

■ 40.8416, 40.3302,
44.9725

Harmonies

Analogous

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



20.6914, 10.6325, 19.9663



20.8727, 10.6325, 6.7465



17.6346, 10.6325, 1.5855

Triad

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



20.8727, 10.6325, 6.7465



5.2951, 10.6325, 1.3637



7.8773, 10.6325, 54.3590

Complementary

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



20.8727, 10.6325, 6.7465



20.1797, 35.4967, 21.7160

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.



5.0985, 10.6325, 37.8769



20.8727, 10.6325, 6.7465



3.9344, 10.6325, 5.9446

Square

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



20.8727, 10.6325, 6.7465



8.2369, 10.6325, 0.1661



3.8750, 10.6325, 18.2924



12.2381, 10.6325, 55.2641

Rectangle

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



20.8727, 10.6325, 6.7465



14.4018, 10.6325, 0.5244



3.8750, 10.6325, 18.2924



6.7624, 10.6325, 50.1078

Sweetspot

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



20.8730, 10.6332, 6.7467



59.6635, 50.3471, 58.2863



15.5237, 7.0038, 45.8810



12.3390, 10.0411, 11.6702



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.



20.8730, 10.6332, 6.7467



37.7290, 19.2310, 11.6589



20.0446, 10.7450, 1.0183



9.1422, 9.0672, 10.0960



14.4170, 7.3406, 4.8167



0.5388, 0.2710, 0.3305

Inverse Universe

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



20.8730, 10.6332, 6.7467



37.7290, 19.2310, 11.6589



21.6671, 29.4910, 49.8977



9.1422, 9.0672, 10.0960



14.4170, 7.3406, 4.8167



0.5388, 0.2710, 0.3305

Previews

White Background



This preview shows how the XYZ color 20.8727, 10.6325, 6.7465 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 20.8727, 10.6325, 6.7465 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 20.8727, 10.6325, 6.7465

Background



This preview shows how black text looks on a background with the XYZ color 20.8727, 10.6325, 6.7465.



This preview shows how white text looks on a background with the XYZ color 20.8727, 10.6325,

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

20.8727, 10.6325, 6.7465

Protanopia

11.0171, 11.3444, 14.1794

Deuteranopia

11.3357, 11.1708, 6.1162



Tritanopia

20.1301, 10.9724, 2.0342

Trichromacy



Original Color

20.8727, 10.6325, 6.7465

Protanomaly

12.2137, 8.4819, 10.6663

Deuteranomaly

13.0647, 8.7969, 6.0104

Tritanomaly

20.1627, 10.6671, 3.1867

Monochromacy



Original Color

20.8727, 10.6325, 6.7465

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.8056, 5.0367, 5.7150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8727, 10.6325, 6.7465 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, 70)` looks like.

```
.text, #text, p{  
  color:rgb(184, 0, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 70) }
```

Border

The CSS property to change the border of an element to XYZ 20.8727, 10.6325, 6.7465 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, 70) }
```


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

```
.border{ border-color:rgb(184, 0, 70) }
```

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, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.8727, 10.6325, 6.7465 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, 70) }
```

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

```
.background{ background-color: rgb(184, 0,  
70) }
```

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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