

Converting Colors

XYZ(20.5853, 10.6495, 1.0994)

Have a look what the booklet for
XYZ(20.5853, 10.6495, 1.0994)
contains.

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Color

**XYZ(20.5480, 10.6387,
1.0853)**

Conversions

Conversions Part 1

Format	Color
Hex	BB0304
RGB	187, 3, 4
RGB Percent	73%, 1%, 2%
CMY	0.2667, 0.9881, 0.9843
CMYK	0.00, 0.98, 0.98, 0.27
HSL	360°, 97%, 37%
HSV	360°, 98%, 73%
XYZ	20.5480, 10.6387, 1.0853
YIQ	58.1300, 109.3430, 39.3190

Conversions

Conversions Part 2

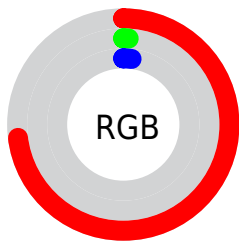
Format	Color
RYB	187, 3, 4
Decimal	12256004
CIELab	38.97, 63.17, 51.73
CIELCh	39, 81.644, 39.312
Yxy	10.6387, 0.6367, 0.3297
Android (android.graphics.Color)	4290446084 (0xFFBB0304)
YUV	58.1300, -26.6861, 113.0190
Hunter-Lab	32.6170, 55.3713, 20.8591

Details

The XYZ color **20.5480, 10.6387, 1.0853** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **26.6750, 39.1067, 52.6170**, and the grayscale version is **4.0662, 4.2780, 4.6587**.

A 20% lighter version of the original color is **43.8280, 26.9964, 6.3909**, and **8.1684, 4.2110, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **20.4987, 10.5669, 0.9873**, and if you desaturate by 10%, it is **20.9259, 11.1888, 1.8466**.

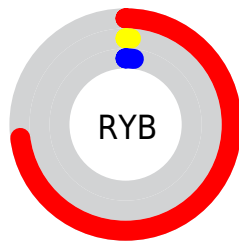
Distribution



Red (73%)

Green (1%)

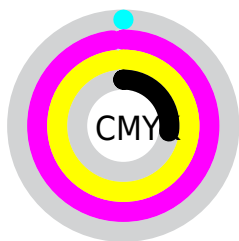
Blue (2%)



Red (73%)

Yellow (1%)

Blue (2%)

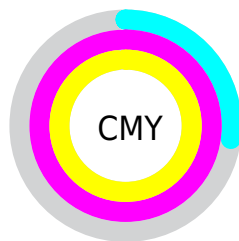


Cyan (0%)

Magenta (98%)

Yellow (98%)

Black (27%)



Cyan (27%)


Magenta (99%)


Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5480, 10.6387, 1.0853 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 20.5480, 10.6387, 1.0853 by changing the saturation by 10% instead.


 20.5480, 10.6387,
1.0853

 20.5480, 10.6387,
1.0853


 247.6439,
195.1718, 105.9928


 12.9046, 5.8244,
0.0000


 43.8310, 26.9901,
6.3415


 7.4394, 2.7386,
0.0000


 60.2013, 39.2960,
11.5833


 3.7872, 0.9968,
0.0000

 80.2113, 54.8680,
19.1255

 1.5824, 0.0000,
0.0000

 104.2264, 74.0903,
29.3867


 0.3809, 0.0000,
0.0000


 132.6118, 97.3475,
42.7856


 0.0000, 0.0000,
0.0000


 165.7330,


125.0239, 59.7405


 203.9552,
157.5038, 80.6700


 20.5480, 10.6387,
1.0853


 20.5480, 10.6387,
1.0853


 20.4987, 10.5669,
0.9873

 20.9259, 11.1888,
1.8466

 21.6707, 12.2734,
3.3433

 22.8748, 14.0308,
5.7506

 24.5959, 16.5461,
9.1819

 26.8834, 19.8918,
13.7342

■ 29.7808, 24.1320,
19.4931

■ 33.3276, 29.3243,
26.5360

■ 37.5596, 35.5219,
34.9340

■ 42.5103, 42.7737,
44.7527

Harmonies

Analogous

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



24.3335, 10.6387, 7.3831



20.5480, 10.6387, 1.0853



14.2726, 10.6387, 0.0000

Triad

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



20.5480, 10.6387, 1.0853



3.1461, 10.6387, 3.8996



11.8995, 10.6387, 73.3633

Complementary

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



20.5480, 10.6387, 1.0853



26.6750, 39.1067, 52.6170

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.



6.8501, 10.6387, 68.2306



20.5480, 10.6387, 1.0853



2.9062, 10.6387, 17.1352

Square

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



20.5480, 10.6387, 1.0853



4.8295, 10.6387, 0.2806



3.9885, 10.6387, 42.7878



18.2859, 10.6387, 53.6180

Rectangle

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



20.5480, 10.6387, 1.0853



10.2377, 10.6387, 0.0000



3.9885, 10.6387, 42.7878



9.9868, 10.6387, 74.7149

Sweetspot

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



20.5482, 10.6394, 1.0854



58.2505, 50.4125, 44.6686



28.7537, 13.8358, 48.1684



12.2267, 10.2217, 8.6433



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.5482, 10.6394, 1.0854



36.7108, 18.9243, 1.7543



24.3330, 18.2173, 2.3210



9.5322, 9.5372, 9.9254



14.1248, 7.2811, 0.6847



0.5540, 0.2855, 0.0305

Inverse Universe

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



20.5482, 10.6394, 1.0854



36.7108, 18.9243, 1.7543



13.3831, 12.3585, 48.6934



9.5322, 9.5372, 9.9254



14.1248, 7.2811, 0.6847



0.5540, 0.2855, 0.0305

Previews

White Background



This preview shows how the XYZ color 20.5480, 10.6387, 1.0853 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 20.5480, 10.6387, 1.0853

Background



This preview shows how black text looks on a background with the XYZ color 20.5480, 10.6387, 1.0853.



This preview shows how white text looks on a background with the XYZ color 20.5480, 10.6387,

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

20.5480, 10.6387, 1.0853

Protanopia

10.2115, 11.3188, 2.5662

Deuteranopia

11.2639, 11.2343, 1.5748



Tritanopia

20.4501, 10.8400, 1.0145

Trichromacy



Original Color

20.5480, 10.6387, 1.0853

Protanomaly

11.8155, 8.6366, 1.5746

Deuteranomaly

13.0201, 8.9576, 1.0715

Tritanomaly

20.3867, 10.7042, 1.0203

Monochromacy



Original Color

20.5480, 10.6387, 1.0853

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.8687, 4.5294, 2.3460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5480, 10.6387, 1.0853 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(187, 3, 4)` looks like.

```
.text, #text, p{  
    color:rgb(187, 3, 4)  
}
```

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(187, 3, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 3, 4) }
```

Border

The CSS property to change the border of an element to XYZ 20.5480, 10.6387, 1.0853 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(187, 3, 4) }
```


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

```
.border{ border-color:rgb(187, 3, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 3, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 3, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(187, 3, 4); box-shadow:4px  
4px 4px 4px rgb(187, 3, 4) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5480, 10.6387, 1.0853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 3, 4) }
```

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

```
.background{ background-color: rgb(187, 3,  
4) }
```

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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