

Converting Colors

XYZ(20.5987, 10.5829, 2.5952)

Have a look what the booklet for
XYZ(20.5987, 10.5829, 2.5952)
contains.

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Color

**XYZ(20.5681, 10.5665,
2.6245)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0024
RGB	186, 0, 36
RGB Percent	73%, 0%, 14%
CMY	0.2706, 0.9999, 0.8588
CMYK	0.00, 1.00, 0.81, 0.27
HSL	348°, 100%, 36%
HSV	348°, 100%, 73%
XYZ	20.5681, 10.5665, 2.6245
YIQ	59.7180, 99.3000, 50.6280

Conversions

Conversions Part 2

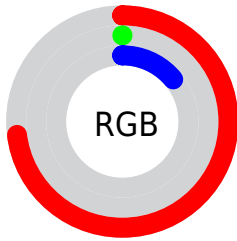
Format	Color
R_{YB}	186, 0, 36
Decimal	12189732
CIE Lab	38.84, 63.80, 36.78
CIE LCh	39, 73.645, 29.961
Yxy	10.5665, 0.6093, 0.3130
Android (android.graphics.Color)	4290379812 (0xFFBA0024)
YUV	59.7180, -11.6930, 110.7493
Hunter-Lab	32.5062, 56.0592, 17.9673

Details

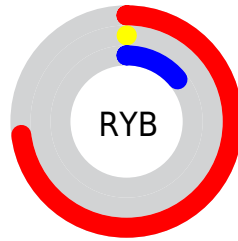
The XYZ color **20.5681, 10.5665, 2.6245** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **23.0672, 37.3209, 34.8575**, and the grayscale version is **4.2646, 4.4867, 4.8860**.

A 20% lighter version of the original color is **43.8520, 26.8029, 10.6468**, and **8.1684, 4.2110, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **20.5675, 10.5662, 2.6221**, and if you desaturate by 10%, it is **21.0739, 11.1316, 4.1702**.

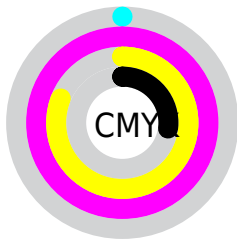
Distribution



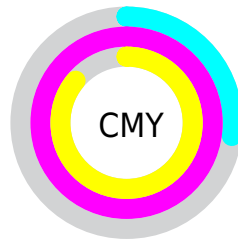
- Red (73%)
- Green (0%)
- Blue (14%)



- Red (73%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (81%)
- Black (27%)



- Cyan (27%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5681, 10.5665, 2.6245 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 20.5681, 10.5665, 2.6245 by changing the saturation by 10% instead.

■ 20.5681, 10.5665,
2.6245

■ 20.5681, 10.5665,
2.6245

247.7496,
194.6688, 131.4242

■ 12.9193, 5.7762,
0.9051

■ 43.8643, 26.8557,
10.6869

■ 7.4496, 2.7094,
0.0000

■ 60.2425, 39.1234,
17.8681

■ 3.7937, 0.9820,
0.0000

■ 80.2612, 54.6523,
27.7075

■ 1.5861, 0.0000,
0.0000

■ 104.2857, 73.8268,
40.6234


■ 0.3833, 0.0000,
0.0000


■ 132.6815, 97.0313,
57.0345


■ 0.0000, 0.0000,
0.0000


■ 165.8138,


124.6502, 77.3593


 204.0480,
157.0679, 102.0164


 20.5681, 10.5665,
2.6245


 20.5681, 10.5665,
2.6245


 20.5675, 10.5662,
2.6221

 21.0739, 11.1316,
4.1702

 21.9020, 12.1703,
6.3499

 23.1413, 13.8458,
9.2391

 24.8394, 16.2398,
12.8945

 27.0371, 19.4221,
17.3669

■ 29.7707, 23.4541,
22.7025

■ 33.0728, 28.3909,
28.9441

■ 36.9738, 34.2832,
36.1314

■ 41.5015, 41.1778,
44.3019

Harmonies

Analogous

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



22.6582, 10.5665, 11.5232



20.5681, 10.5665, 2.6245



15.5129, 10.5665, 0.2246

Triad

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



20.5681, 10.5665, 2.6245



3.9117, 10.5665, 2.6128



10.0368, 10.5665, 64.7633

Complementary

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



20.5681, 10.5665, 2.6245



23.0672, 37.3209, 34.8575

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.



6.0390, 10.5665, 53.9963



20.5681, 10.5665, 2.6245



3.2771, 10.5665, 11.4871

Square

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



20.5681, 10.5665, 2.6245



6.0468, 10.5665, 0.2212



3.9083, 10.5665, 30.8307



15.4983, 10.5665, 54.0470

Rectangle

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



20.5681, 10.5665, 2.6245



11.7698, 10.5665, 0.0000



3.9083, 10.5665, 30.8307



8.4942, 10.5665, 63.4697

Sweetspot

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



20.5683, 10.5672, 2.6246



59.6119, 50.9570, 51.8378



21.2224, 9.9173, 47.2496



12.5456, 10.3493, 10.3227



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.



20.5683, 10.5672, 2.6246



37.2139, 19.1255, 4.4035



21.6554, 13.2506, 1.4173



9.0737, 9.0399, 9.7355



13.8588, 7.1173, 1.8771



0.5100, 0.2595, 0.1790

Inverse Universe

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



20.5683, 10.5672, 2.6246



37.2139, 19.1255, 4.4035



16.8740, 19.5667, 49.3413



9.0737, 9.0399, 9.7355



13.8588, 7.1173, 1.8771



0.5100, 0.2595, 0.1790

Previews

White Background



This preview shows how the XYZ color 20.5681, 10.5665, 2.6245 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 20.5681, 10.5665, 2.6245

Background



This preview shows how black text looks on a background with the XYZ color 20.5681, 10.5665, 2.6245.



This preview shows how white text looks on a background with the XYZ color 20.5681, 10.5665,

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

20.5681, 10.5665, 2.6245

Protanopia

10.3100, 11.1745, 5.3549

Deuteranopia

11.3155, 11.1208, 2.2596



Tritanopia

20.1929, 10.6849, 0.9981

Trichromacy



Original Color

20.5681, 10.5665, 2.6245

Protanomaly

11.8431, 8.4400, 3.9106

Deuteranomaly

12.9773, 8.8405, 1.9997

Tritanomaly

20.1888, 10.5604, 1.3551

Monochromacy



Original Color

20.5681, 10.5665, 2.6245

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.2345, 4.6894, 3.6558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5681, 10.5665, 2.6245 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(186, 0, 36)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 36)  
}
```

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(186, 0, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 36) }
```

Border

The CSS property to change the border of an element to XYZ 20.5681, 10.5665, 2.6245 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(186, 0, 36) }
```


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

```
.border{ border-color:rgb(186, 0, 36) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 36);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 36)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.5681, 10.5665, 2.6245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 36) }
```

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

```
.background{ background-color: rgb(186, 0,  
36) }
```

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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