

Converting Colors

XYZ(20.6587, 10.6069, 2.9112)

Have a look what the booklet for
XYZ(20.6587, 10.6069, 2.9112)
contains.

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Color

**XYZ(20.6159, 10.5856,
2.8761)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0027
RGB	186, 0, 39
RGB Percent	73%, 0%, 15%
CMY	0.2706, 0.9999, 0.8471
CMYK	0.00, 1.00, 0.79, 0.27
HSL	347°, 100%, 36%
HSV	347°, 100%, 73%
XYZ	20.6159, 10.5856, 2.8761
YIQ	60.0600, 98.3370, 51.5610

Conversions

Conversions Part 2

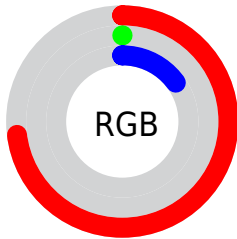
Format	Color
R_{YB}	186, 0, 39
Decimal	12189735
CIE _{Lab}	38.87, 63.89, 35.05
CIE _{LCh}	39, 72.874, 28.745
Yxy	10.5856, 0.6050, 0.3106
Android (android.graphics.Color)	4290379815 (0xFFBA0027)
YUV	60.0600, -10.3826, 110.4494
Hunter-Lab	32.5355, 56.1681, 17.5337

Details

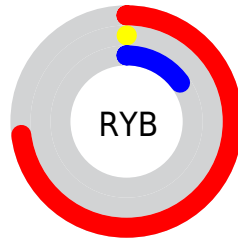
The XYZ color **20.6159, 10.5856, 2.8761** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **22.8284, 37.2254, 33.6001**, and the grayscale version is **4.3104, 4.5349, 4.9385**.

A 20% lighter version of the original color is **44.0419, 26.9987, 11.2775**, and **8.3122, 4.2851, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **20.6153, 10.5853, 2.8737**, and if you desaturate by 10%, it is **21.1352, 11.1561, 4.4930**.

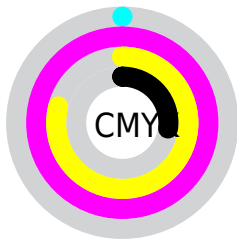
Distribution



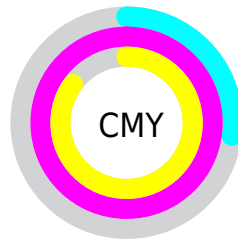
- Red (73%)
- Green (0%)
- Blue (15%)



- Red (73%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6159, 10.5856, 2.8761 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 20.6159, 10.5856, 2.8761 by changing the saturation by 10% instead.


 20.6159, 10.5856,
2.8761


 20.6159, 10.5856,
2.8761


248.0006,
194.8020, 134.7666


 12.9544, 5.7889,
1.0317


 43.9435, 26.8913,
11.3211

 7.4739, 2.7172,
0.0000


 60.3403, 39.1691,
18.7589


 3.8092, 0.9859,
0.0000

 80.3796, 54.7094,
28.8982

 1.5947, 0.0000,
0.0000

 104.4267, 73.8965,
42.1575

 0.3890, 0.0000,
0.0000

 132.8470, 97.1150,
58.9555

 0.0000, 0.0000,
0.0000

 166.0059,

124.7491, 79.7107

204.2686,
157.1833, 104.8415

20.6159, 10.5856,
2.8761

20.6159, 10.5856,
2.8761

20.6153, 10.5853,
2.8737

21.1352, 11.1561,
4.4930

21.9743, 12.1992,
6.7305

23.2213, 13.8776,
9.6603

24.9232, 16.2732,
13.3360

27.1203, 19.4552,
17.8055

■ 29.8484, 23.4850,
23.1126

■ 33.1399, 28.4175,
29.2979

■ 37.0245, 34.3032,
36.3991

■ 41.5298, 41.1888,
44.4519

Harmonies

Analogous

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



22.5168, 10.5856, 12.1189



20.6159, 10.5856, 2.8761



15.6988, 10.5856, 0.3304

Triad

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



20.6159, 10.5856, 2.8761



4.0213, 10.5856, 2.4941



9.8591, 10.5856, 63.9218

Complementary

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



20.6159, 10.5856, 2.8761



22.8284, 37.2254, 33.6001

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.



5.9664, 10.5856, 52.5774



20.6159, 10.5856, 2.8761



3.3336, 10.5856, 10.9526

Square

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



20.6159, 10.5856, 2.8761



6.2188, 10.5856, 0.2188



3.9119, 10.5856, 29.6652



15.2291, 10.5856, 54.1976

Rectangle

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



20.6159, 10.5856, 2.8761



11.9876, 10.5856, 0.0000



3.9119, 10.5856, 29.6652



8.3532, 10.5856, 62.3501

Sweetspot

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



20.6161, 10.5863, 2.8762



59.7351, 51.0063, 52.4865



20.6653, 9.6301, 47.2236



12.5748, 10.3609, 10.4762



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.



20.6161, 10.5863, 2.8762



37.2960, 19.1584, 4.8363



21.5103, 12.9603, 1.3689



9.0795, 9.0422, 9.7663



13.8922, 7.1306, 2.0532



0.5125, 0.2605, 0.1920

Inverse Universe

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



20.6161, 10.5863, 2.8762



37.2960, 19.1584, 4.8363



17.2933, 20.4053, 49.4812



9.0795, 9.0422, 9.7663



13.8922, 7.1306, 2.0532



0.5125, 0.2605, 0.1920

Previews

White Background



This preview shows how the XYZ color 20.6159, 10.5856, 2.8761 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 20.6159, 10.5856, 2.8761

Background



This preview shows how black text looks on a background with the XYZ color 20.6159, 10.5856, 2.8761.



This preview shows how white text looks on a background with the XYZ color 20.6159, 10.5856,

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

20.6159, 10.5856, 2.8761

Protanopia

10.4118, 11.2152, 5.8910

Deuteranopia

11.2300, 11.0709, 2.5223



Tritanopia

20.4721, 10.8488, 1.1299

Trichromacy



Original Color

20.6159, 10.5856, 2.8761

Protanomaly

11.9086, 8.4662, 4.2553

Deuteranomaly

13.0381, 8.8648, 2.3202

Tritanomaly

20.4705, 10.7189, 1.5204

Monochromacy



Original Color

20.6159, 10.5856, 2.8761

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.2568, 4.6983, 3.7732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6159, 10.5856, 2.8761 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, 39)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 39)  
}
```

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, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 39) }
```

Border

The CSS property to change the border of an element to XYZ 20.6159, 10.5856, 2.8761 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, 39) }
```


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

```
.border{ border-color:rgb(186, 0, 39) }
```

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, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 39);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 39)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.6159, 10.5856, 2.8761 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, 39) }
```

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

```
.background{ background-color: rgb(186, 0,  
39) }
```

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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