

Converting Colors

XYZ(20.1487, 10.2609, 6.6437)

Have a look what the booklet for
XYZ(20.1487, 10.2609, 6.6437)
contains.

XYZ(20.1615, 10.2660, 6.7132)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.1615, 10.2660,
6.7132)**

Conversions

Conversions Part 1

Format	Color
Hex	B50046
RGB	181, 0, 70
RGB Percent	71%, 0%, 27%
CMY	0.2902, 0.9999, 0.7255
CMYK	0.00, 1.00, 0.61, 0.29
HSL	337°, 100%, 35%
HSV	337°, 100%, 71%
XYZ	20.1615, 10.2660, 6.7132
YIQ	62.0990, 85.4060, 60.1420

Conversions

Conversions Part 2

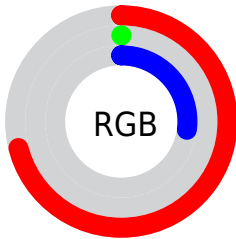
Format	Color
R_YB	181, 0, 70
Decimal	11862086
CIE Lab	38.32, 64.07, 14.64
CIE LCh	38, 65.725, 12.868
Yxy	10.2660, 0.5428, 0.2764
Android (android.graphics.Color)	4290052166 (0xFFB50046)
YUV	62.0990, 3.8952, 104.2762
Hunter-Lab	32.0406, 56.2498, 10.0059

Details

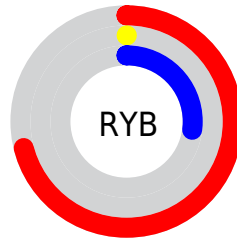
The XYZ color **20.1615, 10.2660, 6.7132** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **19.3953, 34.1961, 20.6273**, and the grayscale version is **4.5817, 4.8203, 5.2494**.

A 20% lighter version of the original color is **43.1746, 26.2476, 19.9303**, and **7.9553, 4.0769, 1.4662** is the 20% darker color. If you saturate the color by 10%, you get **20.1607, 10.2656, 6.7096**, and if you desaturate by 10%, it is **20.7634, 10.8563, 8.8058**.

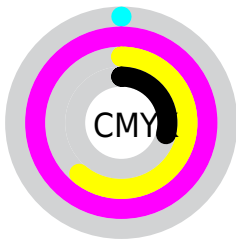
Distribution



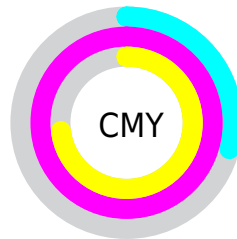
- Red (71%)
- Green (0%)
- Blue (27%)



- Red (71%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1615, 10.2660, 6.7132 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 20.1615, 10.2660, 6.7132 by changing the saturation by 10% instead.


 20.1615, 10.2660,
6.7132


 20.1615, 10.2660,
6.7132


245.6050,
192.5602, 174.7984


 12.6214, 5.5757,
3.2077


 43.1897, 26.2946,
19.8968


 7.2436, 2.5888,
1.2016


 59.4085, 38.4017,
30.4120


 3.6626, 0.9211,
0.0000

 79.2509, 53.7499,
44.1008

 1.5131, 0.0000,
0.0000

 103.0823, 72.7235,
61.3818

 0.3347, 0.0000,
0.0000

 131.2681, 95.7069,
82.6735

 0.0000, 0.0000,
0.0000

 164.1736,

123.0846, 108.3945

202.1641,
155.2408, 138.9633

■ 20.1615, 10.2660,
6.7132

■ 20.1615, 10.2660,
6.7132

■ 20.1607, 10.2656,
6.7096

■ 20.7634, 10.8563,
8.8058

■ 21.6346, 11.8760,
11.3241

■ 22.8543, 13.4788,
14.3098

■ 24.4621, 15.7391,
17.7904

■ 26.4917, 18.7204,
21.7906

■ 28.9733, 22.4783,
26.3332

■ 31.9338, 27.0632,
31.4394

■ 35.3982, 32.5209,
37.1291

■ 39.3896, 38.8942,
43.4213

Harmonies

Analogous

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



19.9058, 10.2660, 19.6430



20.1615, 10.2660, 6.7132



17.1048, 10.2660, 1.5948

Triad

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



20.1615, 10.2660, 6.7132



5.1667, 10.2660, 1.2800



7.5314, 10.2660, 52.1251

Complementary

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



20.1615, 10.2660, 6.7132



19.3953, 34.1961, 20.6273

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.



4.8888, 10.2660, 36.0503



20.1615, 10.2660, 6.7132



3.8228, 10.2660, 5.5796

Square

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



20.1615, 10.2660, 6.7132



8.0395, 10.2660, 0.1389



3.7387, 10.2660, 17.2810



11.7044, 10.2660, 53.4006

Rectangle

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



20.1615, 10.2660, 6.7132



14.0055, 10.2660, 0.5292



3.7387, 10.2660, 17.2810



6.4692, 10.2660, 47.9291

Sweetspot

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



20.1617, 10.2666, 6.7133



56.8953, 48.0045, 55.8060



14.6001, 6.5637, 44.2131



11.8030, 9.6069, 11.2201



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.1617, 10.2666, 6.7133



36.0045, 18.3443, 11.4732



19.2745, 10.2606, 0.9656



8.6278, 8.5579, 9.5386



13.9303, 7.0897, 4.7927



0.4674, 0.2347, 0.3038

Inverse Universe

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



20.1617, 10.2666, 6.7133



36.0045, 18.3443, 11.4732



21.4208, 29.4963, 48.2800



8.6278, 8.5579, 9.5386



13.9303, 7.0897, 4.7927



0.4674, 0.2347, 0.3038

Previews

White Background



This preview shows how the XYZ color 20.1615, 10.2660, 6.7132 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 20.1615, 10.2660, 6.7132 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 20.1615, 10.2660, 6.7132

Background



This preview shows how black text looks on a background with the XYZ color 20.1615, 10.2660, 6.7132.



This preview shows how white text looks on a background with the XYZ color 20.1615, 10.2660,

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

20.1615, 10.2660, 6.7132

Protanopia

10.6391, 10.8889, 14.1114

Deuteranopia

10.9974, 10.8721, 6.0763



Tritanopia

19.4241, 10.6084, 2.0011

Trichromacy



Original Color

20.1615, 10.2660, 6.7132

Protanomaly

11.7216, 8.1512, 10.6284

Deuteranomaly

12.5706, 8.5421, 5.9873

Tritanomaly

19.4566, 10.3031, 3.1537

Monochromacy



Original Color

20.1615, 10.2660, 6.7132

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.5054, 4.8359, 5.5389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1615, 10.2660, 6.7132 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(181, 0, 70)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 0, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 70) }
```

Border

The CSS property to change the border of an element to XYZ 20.1615, 10.2660, 6.7132 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(181, 0, 70) }
```


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

```
.border{ border-color:rgb(181, 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(181, 0, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.1615, 10.2660, 6.7132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 70) }
```

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

```
.background{ background-color: rgb(181, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor