

Converting Colors

XYZ(18.6816, 6.9216, 5.8898)

Have a look what the booklet for
XYZ(18.6816, 6.9216, 5.8898)
contains.

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Color

**XYZ(20.3348, 10.3624,
6.3972)**

Conversions

Conversions Part 1

Format	Color
Hex	B60044
RGB	182, 0, 68
RGB Percent	71%, 0%, 27%
CMY	0.2863, 0.9999, 0.7333
CMYK	0.00, 1.00, 0.63, 0.29
HSL	338°, 100%, 36%
HSV	338°, 100%, 71%
XYZ	20.3348, 10.3624, 6.3972
YIQ	62.1700, 86.6440, 59.7320

Conversions

Conversions Part 2

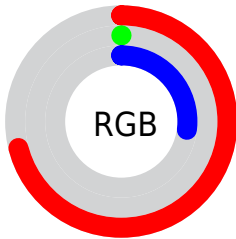
Format	Color
RYB	182, 0, 68
Decimal	11927620
CIELab	38.49, 64.20, 16.19
CIELCh	38, 66.205, 14.154
Yxy	10.3624, 0.5482, 0.2794
Android (android.graphics.Color)	4290117700 (0xFFB60044)
YUV	62.1700, 2.8742, 105.0909
Hunter-Lab	32.1907, 56.4245, 10.7509

Details

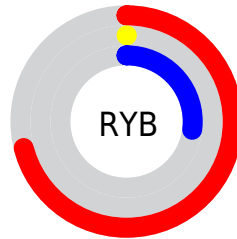
The XYZ color **20.3348, 10.3624, 6.3972** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **19.7672, 34.6715, 21.5786**, and the grayscale version is **4.5928, 4.8320, 5.2620**.

A 20% lighter version of the original color is **43.4779, 26.5286, 19.3520**, and **8.0716, 4.1395, 1.3509** is the 20% darker color. If you saturate the color by 10%, you get **20.3342, 10.3622, 6.3943**, and if you desaturate by 10%, it is **20.9373, 10.9555, 8.4852**.

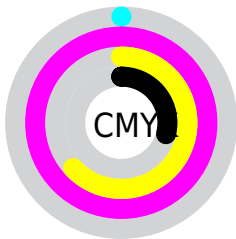
Distribution



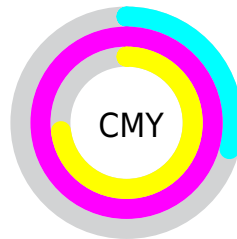
- Red (71%)
- Green (0%)
- Blue (27%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (29%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3348, 10.3624, 6.3972 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 20.3348, 10.3624, 6.3972 by changing the saturation by 10% instead.

 20.3348, 10.3624,
6.3972


 20.3348, 10.3624,
6.3972


246.5210,
193.2394, 171.9928


 12.7483, 5.6399,
3.0154


 43.4775, 26.4749,
19.2416


 7.3313, 2.6274,
1.1025


 59.7644, 38.6338,
29.5414


 3.7183, 0.9404,
0.0000

 79.6821, 54.0402,
42.9841

 1.5440, 0.0000,
0.0000

 103.5961, 73.0785,
59.9885

 0.3555, 0.0000,
0.0000

 131.8716, 96.1332,
80.9730

 0.0000, 0.0000,
0.0000

 164.8740,

123.5887, 106.3562

202.9687,
155.8292, 136.5566

■ 20.3348, 10.3624,
6.3972

■ 20.3348, 10.3624,
6.3972

■ 20.3342, 10.3622,
6.3943

■ 20.9373, 10.9555,
8.4852

■ 21.8152, 11.9849,
11.0167

■ 23.0485, 13.6057,
14.0352

■ 24.6776, 15.8937,
17.5698

■ 26.7372, 18.9131,
21.6465

■ 29.2576, 22.7205,
26.2894

■ 32.2667, 27.3670,
31.5210

■ 35.7898, 32.8993,
37.3624

■ 39.8504, 39.3604,
43.8335

Harmonies

Analogous

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



20.2317, 10.3624, 19.1307



20.3348, 10.3624, 6.3972



17.1157, 10.3624, 1.4885

Triad

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



20.3348, 10.3624, 6.3972



5.1117, 10.3624, 1.3631



7.7453, 10.3624, 53.3067

Complementary

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



20.3348, 10.3624, 6.3972



19.7672, 34.6715, 21.5786

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.



5.0002, 10.3624, 37.3930



20.3348, 10.3624, 6.3972



3.8127, 10.3624, 5.9421

Square

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



20.3348, 10.3624, 6.3972



7.9495, 10.3624, 0.1509



3.7790, 10.3624, 18.1791



12.0296, 10.3624, 53.8219

Rectangle

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



20.3348, 10.3624, 6.3972



13.9451, 10.3624, 0.4734



3.7790, 10.3624, 18.1791



6.6458, 10.3624, 49.2478

Sweetspot

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



20.3350, 10.3630, 6.3973



58.1911, 49.1361, 56.6237



15.1570, 6.8388, 44.7770



12.3260, 10.0359, 11.6017



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.



20.3350, 10.3630, 6.3973



36.7608, 18.7446, 11.0400



19.5645, 10.4910, 0.9946



9.1396, 9.0662, 10.0827



14.3897, 7.3296, 4.6730



0.5377, 0.2706, 0.3249

Inverse Universe

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



20.3350, 10.3630, 6.3973



36.7608, 18.7446, 11.0400



21.1485, 28.7869, 48.6976



9.1396, 9.0662, 10.0827



14.3897, 7.3296, 4.6730



0.5377, 0.2706, 0.3249

Previews

White Background



This preview shows how the XYZ color 20.3348, 10.3624, 6.3972 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 20.3348, 10.3624, 6.3972 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 20.3348, 10.3624, 6.3972

Background



This preview shows how black text looks on a background with the XYZ color 20.3348, 10.3624, 6.3972.



This preview shows how white text looks on a background with the XYZ color 20.3348, 10.3624,

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

20.3348, 10.3624, 6.3972

Protanopia

10.7288, 11.0760, 13.6290

Deuteranopia

11.0701, 10.9157, 5.7985



Tritanopia

19.6235, 10.6778, 1.9465

Trichromacy



Original Color

20.3348, 10.3624, 6.3972

Protanomaly

11.7829, 8.1925, 10.1928

Deuteranomaly

12.6769, 8.6035, 5.6951

Tritanomaly

19.6567, 10.3848, 3.0663

Monochromacy



Original Color

20.3348, 10.3624, 6.3972

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.5948, 4.8854, 5.3932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3348, 10.3624, 6.3972 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(182, 0, 68)` looks like.

```
.text, #text, p{  
    color:rgb(182, 0, 68)  
}
```

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(182, 0, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 0, 68) }
```

Border

The CSS property to change the border of an element to XYZ 20.3348, 10.3624, 6.3972 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(182, 0, 68) }
```


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

```
.border{ border-color:rgb(182, 0, 68) }
```

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

Here you see how a box with a 4 pixel rgb(182, 0, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 0, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 0, 68);  
box-shadow:4px 4px 4px 4px rgb(182, 0, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.3348, 10.3624, 6.3972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 0, 68) }
```

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

```
.background{ background-color: rgb(182, 0,  
68) }
```

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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