

Converting Colors

XYZ(12.0092, 6.1598, 1.9733)

Have a look what the booklet for
XYZ(12.0092, 6.1598, 1.9733)
contains.

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Color

**XYZ(11.9516, 6.1295,
1.9920)**

Conversions

Conversions Part 1

Format	Color
Hex	910021
RGB	145, 0, 33
RGB Percent	57%, 0%, 13%
CMY	0.4314, 0.9999, 0.8706
CMYK	0.00, 1.00, 0.77, 0.43
HSL	346°, 100%, 28%
HSV	346°, 100%, 57%
XYZ	11.9516, 6.1295, 1.9920
YIQ	47.1170, 75.8270, 41.0030

Conversions

Conversions Part 2

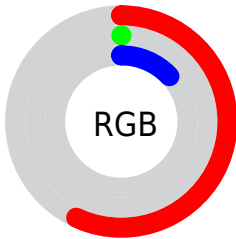
Format	Color
R_{YB}	145, 0, 33
Decimal	9502753
CIE Lab	29.74, 53.35, 26.16
CIE LCh	30, 59.420, 26.117
Yxy	6.1295, 0.5954, 0.3054
Android (android.graphics.Color)	4287692833 (0xFF910021)
YUV	47.1170, -6.9597, 85.8434
Hunter-Lab	24.7578, 42.8429, 12.5600

Details

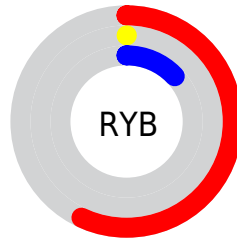
The XYZ color **11.9516, 6.1295, 1.9920** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.0511, 21.4211, 18.7807**, and the grayscale version is **2.7167, 2.8582, 3.1126**.

A 20% lighter version of the original color is **29.1105, 18.2924, 9.0177**, and **3.8378, 1.9784, 0.1796** is the 20% darker color. If you saturate the color by 10%, you get **11.9514, 6.1295, 1.9911**, and if you desaturate by 10%, it is **12.2995, 6.5312, 3.0151**.

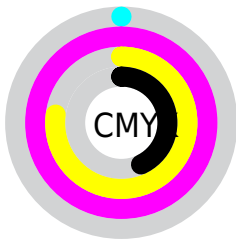
Distribution



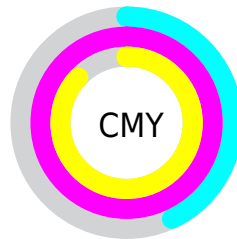
- Red (57%)
- Green (0%)
- Blue (13%)



- Red (57%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (43%)



- Cyan (43%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9516, 6.1295, 1.9920 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 11.9516, 6.1295, 1.9920 by changing the saturation by 10% instead.

■ 11.9516, 6.1295,
1.9920

■ 11.9516, 6.1295,
1.9920

197.8611,
160.2210, 122.2524

■ 6.7827, 2.9240,
0.5504

■ 29.0245, 18.1992,
9.0189

■ 3.3717, 1.0922,
0.0000

■ 41.6593, 27.8322,
15.4977

■ 1.3532, 0.0000,
0.0000

■ 57.5134, 40.3765,
24.5113

■ 0.2225, 0.0000,
0.0000


■ 76.9521, 56.2165,
36.4785


■ 0.0000, 0.0000,
0.0000


■ 100.3409, 75.7365,
51.8176


■ 128.0451, 99.3210,


70.9473


 160.4300,
127.3544, 94.2860


 11.9516, 6.1295,
1.9920


 11.9516, 6.1295,
1.9920


 11.9514, 6.1295,
1.9911

 12.2995, 6.5312,
3.0151

 12.8161, 7.1790,
4.3754

 13.5611, 8.1857,
6.1133

 14.5591, 9.5947,
8.2557

 15.8313, 11.4428,
10.8268

■ 17.3968, 13.7628,
13.8488

■ 19.2728, 16.5843,
17.3424

■ 21.4750, 19.9345,
21.3269

■ 24.0184, 23.8385,
25.8206

Harmonies

Analogous

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



12.8207, 6.1295, 7.7487



11.9516, 6.1295, 1.9920



9.2839, 6.1295, 0.1357

Triad

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



11.9516, 6.1295, 1.9920



2.4556, 6.1295, 1.3016



5.4764, 6.1295, 35.8786

Complementary

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



11.9516, 6.1295, 1.9920



13.0511, 21.4211, 18.7807

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.



3.3549, 6.1295, 28.6677



11.9516, 6.1295, 1.9920



1.9921, 6.1295, 5.7035

Square

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



11.9516, 6.1295, 1.9920



3.8010, 6.1295, 0.0000



2.2605, 6.1295, 15.7619



8.4662, 6.1295, 31.4531

Rectangle

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



11.9516, 6.1295, 1.9920



7.1835, 6.1295, 0.0000



2.2605, 6.1295, 15.7619



4.6511, 6.1295, 34.6467

Sweetspot

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



11.9517, 6.1299, 1.9921



34.2838, 29.3508, 30.6338



11.6880, 5.4352, 27.2211



7.3349, 6.0890, 6.2754



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



11.9517, 6.1299, 1.9921



21.3467, 10.9544, 3.2680



12.3921, 7.4498, 0.7853



5.4560, 5.4429, 5.8994



10.2598, 5.2609, 1.7536



0.1053, 0.0532, 0.0547

Inverse Universe

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



11.9517, 6.1299, 1.9921



21.3467, 10.9544, 3.2680



10.2999, 12.4222, 28.6429



5.4560, 5.4429, 5.8994



10.2598, 5.2609, 1.7536



0.1053, 0.0532, 0.0547

Previews

White Background



This preview shows how the XYZ color 11.9516, 6.1295, 1.9920 looks on a white background.

Color Contrast Check

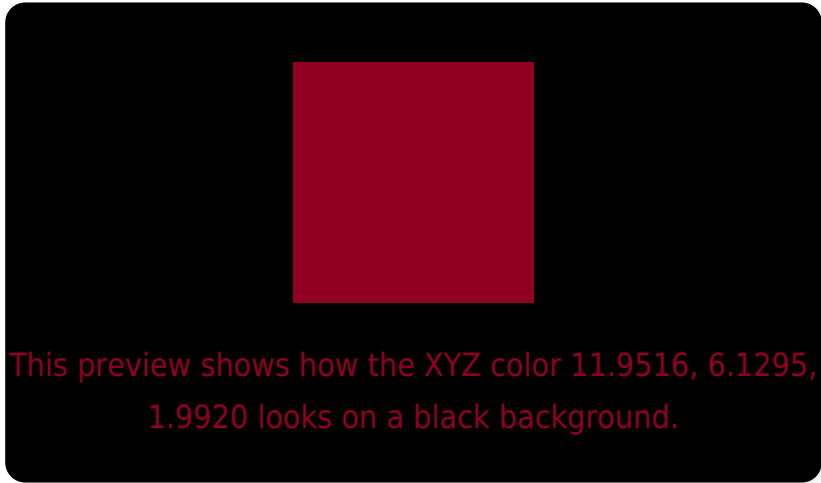
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

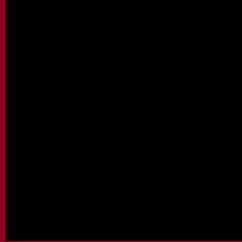
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9516, 6.1295, 1.9920

Background



This preview shows how black text looks on a background with the XYZ color 11.9516, 6.1295, 1.9920.

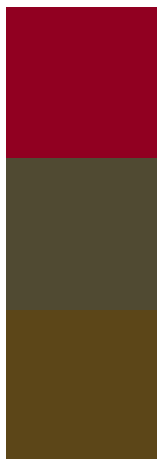


This preview shows how white text looks on a background with the XYZ color 11.9516, 6.1295,

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

11.9516, 6.1295, 1.9920

Protanopia

6.3328, 6.8333, 4.0028

Deuteranopia

6.7687, 6.7216, 1.8048



Tritanopia

11.8724, 6.3492, 0.8008

Trichromacy



Original Color

11.9516, 6.1295, 1.9920

Protanomaly

7.1801, 5.1579, 3.0000

Deuteranomaly

7.6918, 5.3354, 1.6613

Tritanomaly

11.8683, 6.2525, 1.0715

Monochromacy



Original Color

11.9516, 6.1295, 1.9920

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

4.4495, 2.9347, 2.5224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9516, 6.1295, 1.9920 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(145, 0, 33)` looks like.

```
.text, #text, p{  
    color:rgb(145, 0, 33)  
}
```

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(145, 0, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 33) }
```

Border

The CSS property to change the border of an element to XYZ 11.9516, 6.1295, 1.9920 is called "border". The border property can be set on classes, ids or directly on the HTML element.

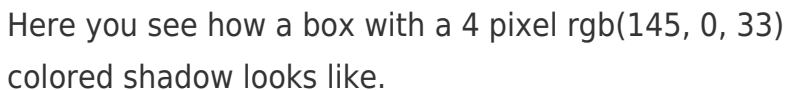
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(145, 0, 33) }
```


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

```
.border{ border-color:rgb(145, 0, 33) }
```

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



Here you see how a box with a 4 pixel `rgb(145, 0, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(145, 0, 33)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.9516, 6.1295, 1.9920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 0, 33) }
```

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

```
.background{ background-color: rgb(145, 0,  
33) }
```

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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