

Converting Colors

XYZ(12.0042, 4.1252, 0.0000)

Have a look what the booklet for
XYZ(12.0042, 4.1252, 0.0000)
contains.

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Color

**XYZ(13.5176, 6.9686,
0.6326)**

Conversions

Conversions Part 1

Format	Color
Hex	9B0000
RGB	155, 0, 0
RGB Percent	61%, 0%, 0%
CMY	0.3922, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.39
HSL	0°, 100%, 30%
HSV	0°, 100%, 61%
XYZ	13.5176, 6.9686, 0.6326
YIQ	46.3450, 92.3800, 32.8600

Conversions

Conversions Part 2

Format	Color
RYB	155, 0, 0
Decimal	10158080
CIELab	31.74, 55.23, 45.67
CIELCh	32, 71.668, 39.584
Yxy	6.9686, 0.6401, 0.3300
Android (android.graphics.Color)	4288348160 (0xFF9B0000)
YUV	46.3450, -22.8481, 95.2904
Hunter-Lab	26.3981, 45.2073, 17.0579

Details

The XYZ color **13.5176, 6.9686, 0.6326** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **17.6335, 25.8008, 35.0608**, and the grayscale version is **2.6506, 2.7886, 3.0368**.

A 20% lighter version of the original color is **31.8091, 19.8757, 4.8492**, and **4.5142, 2.3272, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **13.5177, 6.9691, 0.6327**, and if you desaturate by 10%, it is **13.7856, 7.3610, 1.1651**.

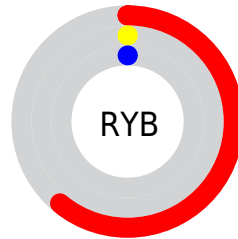
Distribution



Red (61%)

Green (0%)

Blue (0%)



Red (61%)

Yellow (0%)

Blue (0%)



Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (100%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.5176, 6.9686, 0.6326 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 13.5176, 6.9686, 0.6326 by changing the saturation by 10% instead.


 13.5176, 6.9686,
0.6326


 13.5176, 6.9686,
0.6326


 207.7800,
167.4025, 96.0425


 7.8654, 3.4425,
0.0000


 31.8241, 19.9100,
4.8955


 4.0600, 1.3669,
0.0000

 45.2090, 30.0941,
9.3890

 1.7361, 0.1921,
0.0000

 61.9022, 43.2663,
16.0274

 0.4787, 0.0000,
0.0000

 82.2691, 59.8109,
25.2293


 0.0000, 0.0000,
0.0000


 106.6749, 80.1125,
37.4132


 135.4851,

104.5554, 52.9977


 169.0651,
133.5239, 72.4012


 13.5176, 6.9686,
0.6326


 13.5176, 6.9686,
0.6326


 13.5177, 6.9691,
0.6327

 13.7856, 7.3610,
1.1651

 14.2553, 8.0484,
2.0985

 15.0179, 9.1644,
3.6141

 16.1104, 10.7632,
5.7858

 17.5646, 12.8911,
8.6765

■ 19.4084, 15.5892,
12.3419

■ 21.6671, 18.8943,
16.8322

■ 24.3638, 22.8402,
22.1931

■ 27.5198, 27.4582,
28.4674

Harmonies

Analogous

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



16.0603, 6.9686, 4.7428



13.5176, 6.9686, 0.6326



9.3430, 6.9686, 0.0000

Triad

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



13.5176, 6.9686, 0.6326



2.0240, 6.9686, 2.5608



7.8439, 6.9686, 48.7183

Complementary

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



13.5176, 6.9686, 0.6326



17.6335, 25.8008, 35.0608

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.



4.4906, 6.9686, 45.4487



13.5176, 6.9686, 0.6326



1.8745, 6.9686, 11.3894

Square

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



13.5176, 6.9686, 0.6326



3.1196, 6.9686, 0.0000



2.5931, 6.9686, 28.5230



12.0850, 6.9686, 35.4098

Rectangle

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



13.5176, 6.9686, 0.6326



6.6738, 6.9686, 0.0000



2.5931, 6.9686, 28.5230



6.5733, 6.9686, 49.6785

Sweetspot

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



13.5177, 6.9691, 0.6327



38.5459, 33.4605, 29.6321



19.4338, 9.3351, 31.7877



8.3485, 7.0232, 5.9593



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.5177, 6.9691, 0.6327



24.2089, 12.4807, 1.1331



16.2065, 12.3465, 1.5289



6.2089, 6.2228, 6.4797



10.8576, 5.5977, 0.5082



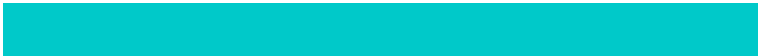
0.1623, 0.0837, 0.0076

Inverse Universe

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



17.6335, 25.8008, 35.0608



31.5798, 46.2066, 62.7906



8.6053, 7.7445, 32.0514



6.3845, 7.0264, 7.9487



14.1635, 20.7236, 28.1613



0.2118, 0.3099, 0.4210

Previews

White Background



This preview shows how the XYZ color 13.5176, 6.9686, 0.6326 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 13.5176, 6.9686, 0.6326

Background



This preview shows how black text looks on a background with the XYZ color 13.5176, 6.9686, 0.6326.



This preview shows how white text looks on a background with the XYZ color 13.5176, 6.9686,

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

13.5176, 6.9686, 0.6326

Protanopia

6.8752, 7.5740, 1.7614

Tritanopia

13.4835, 7.1841, 0.6760

Trichromacy



Original Color

13.5176, 6.9686, 0.6326

Protanomaly

7.8953, 5.7550, 1.0755

Tritanomaly

13.4241, 7.0654, 0.6562

Monochromacy



Original Color

13.5176, 6.9686, 0.6326

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.4989, 2.9459, 1.4939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5176, 6.9686, 0.6326 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(155, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 0, 0)  
}
```

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(155, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.5176, 6.9686, 0.6326 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(155, 0, 0) }
```

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

```
.border{ border-color:rgb(155, 0, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(155, 0, 0); box-shadow:4px  
4px 4px 4px rgb(155, 0, 0) }
```


Background

The CSS property to change the background color of an element to XYZ 13.5176, 6.9686, 0.6326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 0, 0) }
```

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

```
.background{ background-color: rgb(155, 0,  
0) }
```

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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