

Converting Colors

XYZ(35.8714, 18.5489, 1.6897)

Have a look what the booklet for
XYZ(35.8714, 18.5489, 1.6897)
contains.

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Color

**XYZ(35.9786, 18.6121,
1.6962)**

Conversions

Conversions Part 1

Format	Color
Hex	F00400
RGB	240, 4, 0
RGB Percent	94%, 2%, 0%
CMY	0.0588, 0.9841, 1.0000
CMYK	0.00, 0.98, 1.00, 0.06
HSL	1°, 100%, 47%
HSV	1°, 100%, 94%
XYZ	35.9786, 18.6121, 1.6962
YIQ	74.1080, 141.9400, 48.7880

Conversions

Conversions Part 2

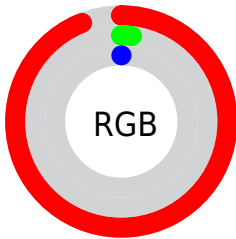
Format	Color
RYB	240, 4, 0
Decimal	15729664
CIELab	50.23, 76.22, 64.24
CIELCh	50, 99.678, 40.126
Yxy	18.6121, 0.6392, 0.3307
Android (android.graphics.Color)	4293919744 (0xFFFF00400)
YUV	74.1080, -36.5352, 145.4873
Hunter-Lab	43.1417, 73.3643, 27.8681

Details

The XYZ color **35.9786, 18.6121, 1.6962** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **45.7055, 66.2462, 92.8153**, and the grayscale version is **6.5795, 6.9221, 7.5382**.

A 20% lighter version of the original color is **45.9812, 29.5608, 7.1532**, and **17.2336, 8.8842, 0.8065** is the 20% darker color. If you saturate the color by 10%, you get **35.9790, 18.6133, 1.6964**, and if you desaturate by 10%, it is **36.5069, 19.4054, 2.6857**.

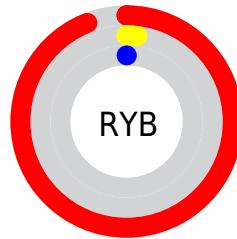
Distribution



Red (94%)

Green (2%)

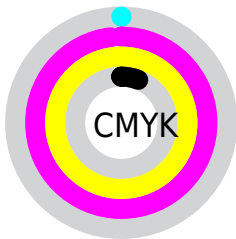
Blue (0%)



Red (94%)

Yellow (2%)

Blue (0%)

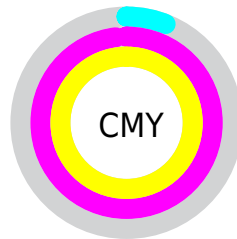


Cyan (0%)

Magenta (98%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (98%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9786, 18.6121, 1.6962 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 35.9786, 18.6121, 1.6962 by changing the saturation by 10% instead.

 35.9786, 18.6121,
1.6962


 35.9786, 18.6121,
1.6962


 320.2999,
244.2989, 117.4653

 24.5877, 11.3903,
0.3581


 68.3231, 41.0776,
8.1923

 15.8972, 6.3300,
0.0000


 90.0075, 57.0901,
14.3055


 9.5419, 3.0468,
0.0000


 115.8536, 76.8017,
22.8868

 5.1562, 1.1562,
0.0000

 146.2270,
100.5967, 34.3549

 2.3749, 0.0255,
0.0000

 181.4930,
128.8595, 49.1283


 0.8326, 0.0000,
0.0000


 222.0169,


 0.0000, 0.0000,


161.9745, 67.6254


0.0000


 268.1641,
200.3262, 90.2649


 35.9786, 18.6121,
1.6962


 35.9786, 18.6121,
1.6962

 35.9790, 18.6133,
1.6964

 36.5069, 19.4054,
2.6857

 37.6632, 21.1281,
4.8894

 39.6101, 24.0040,
8.6765

 42.4549, 28.1871,
14.2695

 46.2884, 33.8079,
21.8553

■ 51.1901, 40.9810,
31.5978

■ 57.2315, 49.8096,
43.6437

■ 64.4778, 60.3879,
58.1269

■ 72.9896, 72.8031,
75.1712

Harmonies

Analogous

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



42.9207, 18.6121, 12.2935



35.9786, 18.6121, 1.6962



24.7670, 18.6121, 0.0000

Triad

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



35.9786, 18.6121, 1.6962



5.3595, 18.6121, 7.0484



21.1523, 18.6121, 130.2614

Complementary

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



35.9786, 18.6121, 1.6962



45.7055, 66.2462, 92.8153

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.



12.1090, 18.6121, 122.3583



35.9786, 18.6121, 1.6962



5.0002, 18.6121, 31.1014

Square

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



35.9786, 18.6121, 1.6962



8.2336, 18.6121, 0.7262



6.9675, 18.6121, 77.3170



32.5216, 18.6121, 93.9542

Rectangle

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



35.9786, 18.6121, 1.6962



17.6494, 18.6121, 0.0000



6.9675, 18.6121, 77.3170



17.7311, 18.6121, 133.1398

Sweetspot

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



35.9790, 18.6133, 1.6964



65.6060, 57.0541, 49.9379



51.0751, 24.5812, 81.4089



13.3807, 11.2452, 9.3684



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



35.9790, 18.6133, 1.6964



41.2868, 21.3537, 1.9456



43.1425, 32.9404, 4.0843



15.7943, 15.8016, 16.3673



19.7052, 10.2085, 0.9319



1.6468, 0.8642, 0.0800

Inverse Universe

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



45.7055, 66.2462, 92.8153



52.4487, 76.0174, 106.5162



21.9734, 18.7820, 84.9046



16.2231, 17.8803, 20.3178



25.0308, 36.2858, 50.8125



2.0896, 3.0332, 4.2295

Previews

White Background



This preview shows how the XYZ color 35.9786, 18.6121, 1.6962 looks on a white 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

Black Background



This preview shows how the XYZ color 35.9786, 18.6121, 1.6962 looks on a black 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

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

XYZ 35.9786, 18.6121, 1.6962

Background



This preview shows how black text looks on a background with the XYZ color 35.9786, 18.6121, 1.6962.



This preview shows how white text looks on a background with the XYZ color 35.9786, 18.6121,

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

35.9786, 18.6121, 1.6962

Protanopia

17.2380, 19.0079, 4.0567

Deuteranopia

19.2676, 19.0338, 2.6584



Tritanopia

35.5468, 18.7510, 1.7458

Trichromacy



Original Color

35.9786, 18.6121, 1.6962

Protanomaly

20.3062, 14.4980, 2.3900

Deuteranomaly

22.5237, 15.3464, 1.7750

Tritanomaly

35.7674, 18.6924, 1.7228

Monochromacy



Original Color

35.9786, 18.6121, 1.6962

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

11.4429, 7.4702, 3.5281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9786, 18.6121, 1.6962 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(240, 4, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 4, 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(240, 4, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 4, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.9786, 18.6121, 1.6962 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(240, 4, 0) }
```


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

```
.border{ border-color:rgb(240, 4, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 4, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 4, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(240, 4, 0); box-shadow:4px  
4px 4px 4px rgb(240, 4, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9786, 18.6121, 1.6962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 4, 0) }
```

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

```
.background{ background-color: rgb(240, 4,  
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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