

Converting Colors

XYZ(36.7288, 18.9315, 1.8494)

Have a look what the booklet for
XYZ(36.7288, 18.9315, 1.8494)
contains.

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Color

**XYZ(36.6453, 18.8882,
1.8579)**

Conversions

Conversions Part 1

Format	Color
Hex	F20005
RGB	242, 0, 5
RGB Percent	95%, 0%, 2%
CMY	0.0510, 0.9997, 0.9804
CMYK	0.00, 1.00, 0.98, 0.05
HSL	359°, 100%, 47%
HSV	359°, 100%, 95%
XYZ	36.6453, 18.8882, 1.8579
YIQ	72.9280, 142.6270, 52.8590

Conversions

Conversions Part 2

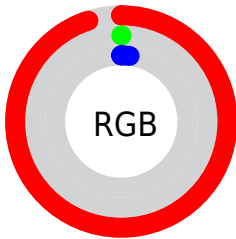
Format	Color
R_{YB}	242, 0, 5
Decimal	15859717
CIE Lab	50.56, 77.03, 63.26
CIE LCh	51, 99.680, 39.394
Yxy	18.8882, 0.6385, 0.3291
Android (android.graphics.Color)	4294049797 (0xFFFF20005)
YUV	72.9280, -33.4885, 148.2761
Hunter-Lab	43.4606, 74.4526, 27.8878

Details

The XYZ color **36.6453, 18.8882, 1.8579** 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 **47.0480, 69.6222, 91.1285**, and the grayscale version is **6.3656, 6.6971, 7.2932**.

A 20% lighter version of the original color is **46.0583, 29.5917, 7.5592**, and **17.6792, 9.1140, 0.8274** is the 20% darker color. If you saturate the color by 10%, you get **36.6446, 18.8879, 1.8561**, and if you desaturate by 10%, it is **37.1679, 19.6285, 2.9731**.

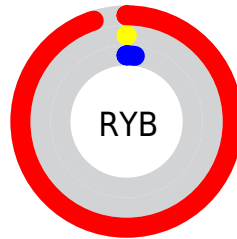
Distribution



Red (95%)

Green (0%)

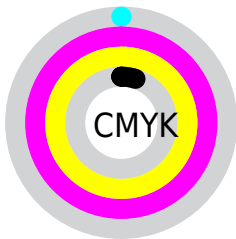
Blue (2%)



Red (95%)

Yellow (0%)

Blue (2%)

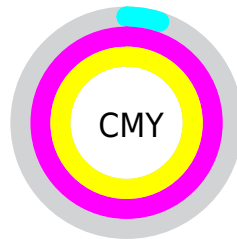


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (5%)



Cyan (5%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6453, 18.8882, 1.8579 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 36.6453, 18.8882, 1.8579 by changing the saturation by 10% instead.


 36.6453, 18.8882,
1.8579


 36.6453, 18.8882,
1.8579


 323.1546,
245.8309, 120.1297


 25.1054, 11.5895,
0.4657


 69.3443, 41.5451,
8.6485


 16.2847, 6.4648,
0.0000


 91.2341, 57.6721,
14.9651

 9.8180, 3.1297,
0.0000


 117.3046, 77.5107,
23.7872

 5.3398, 1.1998,
0.0000

 147.9211,
101.4452, 35.5334

 2.4848, 0.0616,
0.0000

 183.4490,
129.8601, 50.6222


 0.8876, 0.0000,
0.0000


 224.2536,


 0.0000, 0.0000,


163.1398, 69.4721


0.0000


 270.7004,
201.6685, 92.5018


 36.6453, 18.8882,
1.8579


 36.6453, 18.8882,
1.8579


 36.6446, 18.8879,
1.8561

 37.1679, 19.6285,
2.9731

 38.3228, 21.2808,
5.3855

 40.2868, 24.1216,
9.3917

 43.1715, 28.3181,
15.2027

 47.0712, 34.0108,
22.9974

■ 52.0685, 41.3226,
32.9332

■ 58.2373, 50.3640,
45.1516

■ 65.6454, 61.2354,
59.7820

■ 74.3552, 74.0298,
76.9443

Harmonies

Analogous

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



43.4676, 18.8882, 12.9995



36.6453, 18.8882, 1.8579



25.3768, 18.8882, 0.0000

Triad

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



36.6453, 18.8882, 1.8579



5.5155, 18.8882, 6.8830



21.1838, 18.8882, 131.7016

Complementary

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



36.6453, 18.8882, 1.8579



47.0480, 69.6222, 91.1285

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.



12.1393, 18.8882, 122.5760



36.6453, 18.8882, 1.8579



5.0958, 18.8882, 30.6134

Square

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



36.6453, 18.8882, 1.8579



8.5025, 18.8882, 0.7085



7.0265, 18.8882, 76.7780



32.6410, 18.8882, 96.0083

Rectangle

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



36.6453, 18.8882, 1.8579



18.1512, 18.8882, 0.0000



7.0265, 18.8882, 76.7780



17.7556, 18.8882, 134.1856

Sweetspot

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



36.6457, 18.8894, 1.8581



65.5044, 56.5979, 50.6844



49.9377, 23.8935, 85.9835



13.3578, 11.1423, 9.5367



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.



36.6457, 18.8894, 1.8581



41.2685, 21.2714, 2.0801



42.5194, 30.6802, 3.6827



15.7859, 15.7641, 16.4287



19.6920, 10.1492, 1.0287



1.6428, 0.8461, 0.1096

Inverse Universe

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



36.6457, 18.8894, 1.8581



41.2685, 21.2714, 2.0801



23.8906, 22.1370, 87.0173



15.7859, 15.7641, 16.4287



19.6920, 10.1492, 1.0287



1.6428, 0.8461, 0.1096

Previews

White Background



This preview shows how the XYZ color 36.6453, 18.8882, 1.8579 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 36.6453, 18.8882, 1.8579 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 36.6453, 18.8882, 1.8579

Background



This preview shows how black text looks on a background with the XYZ color 36.6453, 18.8882, 1.8579.



This preview shows how white text looks on a background with the XYZ color 36.6453, 18.8882,

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

36.6453, 18.8882, 1.8579

Protanopia

17.5368, 19.3417, 4.1755

Tritanopia

36.2221, 19.0991, 1.7774

Trichromacy



Original Color

36.6453, 18.8882, 1.8579

Protanomaly

20.5484, 14.6207, 2.4981

Tritanomaly

36.4436, 19.0192, 1.8077

Monochromacy



Original Color

36.6453, 18.8882, 1.8579

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

11.3420, 7.2357, 3.5951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6453, 18.8882, 1.8579 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(242, 0, 5)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 5)  
}
```

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(242, 0, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 5) }
```

Border

The CSS property to change the border of an element to XYZ 36.6453, 18.8882, 1.8579 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(242, 0, 5) }
```

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

```
.border{ border-color:rgb(242, 0, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 0, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(242, 0, 5); box-shadow:4px  
4px 4px 4px rgb(242, 0, 5) }
```


Background

The CSS property to change the background color of an element to XYZ 36.6453, 18.8882, 1.8579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 5) }
```

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

```
.background{ background-color: rgb(242, 0,  
5) }
```

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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