

Converting Colors

XYZ(36.3932, 18.6967, 4.6250)

Have a look what the booklet for
XYZ(36.3932, 18.6967, 4.6250)
contains.

XYZ(36.4896, 18.7470, 4.6011)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.4896, 18.7470,
4.6011)**

Conversions

Conversions Part 1

Format	Color
Hex	F00031
RGB	240, 0, 49
RGB Percent	94%, 0%, 19%
CMY	0.0588, 0.9998, 0.8078
CMYK	0.00, 1.00, 0.80, 0.06
HSL	348°, 100%, 47%
HSV	348°, 100%, 94%
XYZ	36.4896, 18.7470, 4.6011
YIQ	77.3460, 127.3110, 66.1190

Conversions

Conversions Part 2

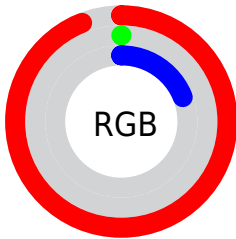
Format	Color
RYB	240, 0, 49
Decimal	15728689
CIELab	50.39, 77.23, 44.80
CIELCh	50, 89.287, 30.118
Yxy	18.7470, 0.6098, 0.3133
Android (android.graphics.Color)	4293918769 (0xFFFF0031)
YUV	77.3460, -13.9746, 142.6476
Hunter-Lab	43.2978, 74.6613, 24.0079

Details

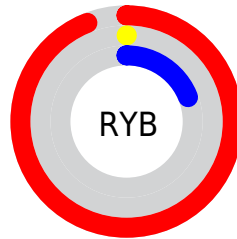
The XYZ color **36.4896, 18.7470, 4.6011** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **40.5710, 66.0843, 59.9407**, and the grayscale version is **7.1333, 7.5048, 8.1727**.

A 20% lighter version of the original color is **47.3540, 30.1099, 14.3823**, and **17.4830, 9.0096, 0.9612** is the 20% darker color. If you saturate the color by 10%, you get **36.4884, 18.7465, 4.5959**, and if you desaturate by 10%, it is **37.3094, 19.5995, 7.3024**.

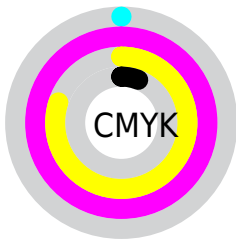
Distribution



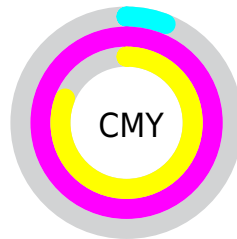
- Red (94%)
- Green (0%)
- Blue (19%)



- Red (94%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4896, 18.7470, 4.6011 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 36.4896, 18.7470, 4.6011 by changing the saturation by 10% instead.


 36.4896, 18.7470,
4.6011


 36.4896, 18.7470,
4.6011


322.4895,
245.0485, 154.6891


 24.9844, 11.4876,
1.9606


 69.1060, 41.3062,
15.3739


 16.1941, 6.3958,
0.5309


 90.9480, 57.3747,
24.3433

 9.7533, 3.0872,
0.0000


 116.9662, 77.1484,
36.2594

 5.2967, 1.1774,
0.0000

 147.5262,
101.0117, 51.5407

 2.4589, 0.0432,
0.0000

 182.9931,
129.3490, 70.6058

 0.8746, 0.0000,
0.0000

 223.7324,

 0.0000, 0.0000,

162.5446, 93.8732

0.0000

270.1094,
200.9830, 121.7614

■ 36.4896, 18.7470,
4.6011

■ 36.4896, 18.7470,
4.6011

■ 36.4884, 18.7465,
4.5959

■ 37.3094, 19.5995,
7.3024

■ 38.7232, 21.3354,
11.1391

■ 40.8741, 24.2147,
16.2412

■ 43.8517, 28.3931,
22.7119

■ 47.7327, 34.0019,
30.6431

■ 52.5844, 41.1564,
40.1187

■ 58.4679, 49.9599,
51.2157

■ 65.4389, 60.5068,
64.0062

■ 73.5492, 72.8843,
78.5576

Harmonies

Analogous

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



40.2426, 18.7470, 20.3139



36.4896, 18.7470, 4.6011



27.4867, 18.7470, 0.6615

Triad

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



36.4896, 18.7470, 4.6011



6.9165, 18.7470, 4.6646



17.8529, 18.7470, 115.1273

Complementary

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



36.4896, 18.7470, 4.6011



40.5710, 66.0843, 59.9407

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.



10.7336, 18.7470, 96.1557



36.4896, 18.7470, 4.6011



5.8024, 18.7470, 20.5110

Square

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



36.4896, 18.7470, 4.6011



10.6912, 18.7470, 0.6744



6.9348, 18.7470, 54.9869



27.5664, 18.7470, 95.8790

Rectangle

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



36.4896, 18.7470, 4.6011



20.8368, 18.7470, 0.0000



6.9348, 18.7470, 54.9869



15.1066, 18.7470, 112.8968

Sweetspot

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



36.4900, 18.7482, 4.6014



67.0094, 57.1999, 58.6091



36.4708, 16.9854, 83.7939



13.7010, 11.2796, 11.3441



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.



36.4900, 18.7482, 4.6014



41.8601, 21.5081, 5.1956



38.0050, 22.6646, 2.3733



15.9046, 15.8116, 17.0541



20.0125, 10.2774, 2.7165



1.6995, 0.8688, 0.4084

Inverse Universe

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



36.4900, 18.7482, 4.6014



41.8601, 21.5081, 5.1956



30.4845, 35.8029, 87.7415



15.9046, 15.8116, 17.0541



20.0125, 10.2774, 2.7165



1.6995, 0.8688, 0.4084

Previews

White Background



This preview shows how the XYZ color 36.4896, 18.7470, 4.6011 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 36.4896, 18.7470, 4.6011 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 36.4896, 18.7470, 4.6011

Background



This preview shows how black text looks on a background with the XYZ color 36.4896, 18.7470, 4.6011.



This preview shows how white text looks on a background with the XYZ color 36.4896, 18.7470,

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

36.4896, 18.7470, 4.6011

Protanopia

17.9369, 19.4274, 9.6420

Deuteranopia

19.5283, 19.1381, 4.0313



Tritanopia

35.8648, 18.8871, 1.7553

Trichromacy



Original Color

36.4896, 18.7470, 4.6011

Protanomaly

20.7210, 14.6128, 6.8827

Deuteranomaly

22.7400, 15.2193, 3.5728

Tritanomaly

35.8497, 18.6822, 2.2888

Monochromacy



Original Color

36.4896, 18.7470, 4.6011

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

12.2648, 7.8361, 6.1763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4896, 18.7470, 4.6011 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, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 49)  
}
```

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, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 49) }
```

Border

The CSS property to change the border of an element to XYZ 36.4896, 18.7470, 4.6011 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, 0, 49) }
```


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

```
.border{ border-color:rgb(240, 0, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 0, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 49)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.4896, 18.7470, 4.6011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 49) }
```

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

```
.background{ background-color: rgb(240, 0,  
49) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor