

Converting Colors

XYZ(36.7970, 18.9588, 2.2083)

Have a look what the booklet for
XYZ(36.7970, 18.9588, 2.2083)
contains.

XYZ(36.7115, 18.9147, 2.2062)	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(36.7115, 18.9147,
2.2062)**

Conversions

Conversions Part 1

Format	Color
Hex	F20010
RGB	242, 0, 16
RGB Percent	95%, 0%, 6%
CMY	0.0510, 0.9997, 0.9373
CMYK	0.00, 1.00, 0.93, 0.05
HSL	356°, 100%, 47%
HSV	356°, 100%, 95%
XYZ	36.7115, 18.9147, 2.2062
YIQ	74.1820, 139.0960, 56.2800

Conversions

Conversions Part 2

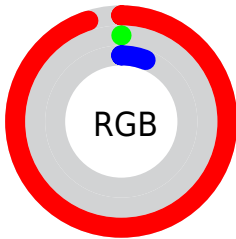
Format	Color
RYB	242, 0, 16
Decimal	15859728
CIELab	50.59, 77.12, 60.28
CIELCh	51, 97.882, 38.014
Yxy	18.9147, 0.6348, 0.3271
Android (android.graphics.Color)	4294049808 (0xFFFF20010)
YUV	74.1820, -28.6837, 147.1764
Hunter-Lab	43.4910, 74.5655, 27.4361

Details

The XYZ color **36.7115, 18.9147, 2.2062** 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 **45.4889, 68.9986, 82.9178**, and the grayscale version is **6.5798, 6.9224, 7.5385**.

A 20% lighter version of the original color is **46.2261, 29.6588, 8.4426**, and **17.6792, 9.1140, 0.8274** is the 20% darker color. If you saturate the color by 10%, you get **36.7107, 18.9143, 2.2038**, and if you desaturate by 10%, it is **37.3095, 19.6852, 3.7187**.

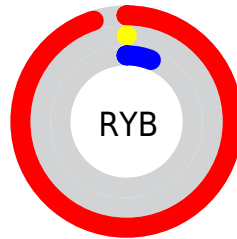
Distribution



Red (95%)

Green (0%)

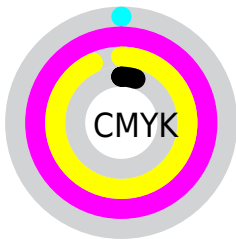
Blue (6%)



Red (95%)

Yellow (0%)

Blue (6%)

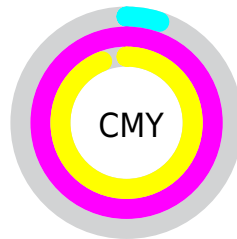


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (5%)



Cyan (5%)


Magenta (100%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7115, 18.9147, 2.2062 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 36.7115, 18.9147, 2.2062 by changing the saturation by 10% instead.


 36.7115, 18.9147,
2.2062


 36.7115, 18.9147,
2.2062


323.4371,
245.9775, 125.5007


 25.1568, 11.6087,
0.6779


 69.4456, 41.5899,
9.5972

 16.3233, 6.4778,
0.0000


 91.3557, 57.7279,
16.3245


 9.8455, 3.1377,
0.0000


 117.4483, 77.5786,
25.6310

 5.3581, 1.2041,
0.0000

 148.0889,
101.5265, 37.9353

 2.4958, 0.0650,
0.0000

 183.6427,
129.9559, 53.6558


 0.8931, 0.0000,
0.0000


 224.4751,


 0.0000, 0.0000,


163.2513, 73.2112


0.0000


 270.9514,
201.7970, 97.0200

 36.7115, 18.9147,
2.2062


 36.7115, 18.9147,
2.2062


 36.7107, 18.9143,
2.2038

 37.3095, 19.6852,
3.7187

 38.5418, 21.3685,
6.5381

 40.5714, 24.2355,
10.8899

 43.5035, 28.4510,
16.9504

 47.4274, 34.1534,
24.8720

■ 52.4213, 41.4640,
34.7903

■ 58.5558, 50.4917,
46.8280

■ 65.8955, 61.3358,
61.0981

■ 74.5000, 74.0880,
77.7056

Harmonies

Analogous

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



43.0347, 18.9147, 14.0892



36.7115, 18.9147, 2.2062



25.7805, 18.9147, 0.0000

Triad

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



36.7115, 18.9147, 2.2062



5.7473, 18.9147, 6.4988



20.6660, 18.9147, 129.1895

Complementary

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



36.7115, 18.9147, 2.2062



45.4889, 68.9986, 82.9178

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.



11.9336, 18.9147, 118.2345



36.7115, 18.9147, 2.2062



5.2227, 18.9147, 28.8465

Square

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



36.7115, 18.9147, 2.2062



8.8628, 18.9147, 0.7063



7.0315, 18.9147, 73.0516



31.8511, 18.9147, 96.2165

Rectangle

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



36.7115, 18.9147, 2.2062



18.6228, 18.9147, 0.0000



7.0315, 18.9147, 73.0516



17.3480, 18.9147, 130.8387

Sweetspot

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



36.7119, 18.9159, 2.2064



65.8635, 56.7415, 52.5752



47.3509, 22.5599, 85.8626



13.4390, 11.1749, 9.9647



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.



36.7119, 18.9159, 2.2064



41.3396, 21.2998, 2.4544



41.6597, 28.9607, 3.3961



15.8150, 15.7757, 16.5821



19.7384, 10.1678, 1.2731



1.6567, 0.8517, 0.1832

Inverse Universe

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



36.7119, 18.9159, 2.2064



41.3396, 21.2998, 2.4544



24.9963, 24.3483, 87.3860



15.8150, 15.7757, 16.5821



19.7384, 10.1678, 1.2731



1.6567, 0.8517, 0.1832

Previews

White Background



This preview shows how the XYZ color 36.7115, 18.9147, 2.2062 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 36.7115, 18.9147, 2.2062 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 36.7115, 18.9147, 2.2062

Background



This preview shows how black text looks on a background with the XYZ color 36.7115, 18.9147, 2.2062.



This preview shows how white text looks on a background with the XYZ color 36.7115, 18.9147,

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

36.7115, 18.9147, 2.2062

Protanopia

17.6259, 19.3774, 4.6449

Deuteranopia

19.5718, 19.3608, 2.7055



Tritanopia

36.2221, 19.0991, 1.7774

Trichromacy



Original Color

36.7115, 18.9147, 2.2062



Protanomaly

20.6379, 14.6565, 2.9695



Deuteranomaly

22.7314, 15.3498, 1.9370



Tritanomaly

36.4655, 19.0280, 1.9231

Monochromacy



Original Color

36.7115, 18.9147, 2.2062



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

11.6508, 7.4410, 4.1903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7115, 18.9147, 2.2062 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, 16)` looks like.

```
.text, #text, p{  
  color:rgb(242, 0, 16)  
}
```

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, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 16) }
```

Border

The CSS property to change the border of an element to XYZ 36.7115, 18.9147, 2.2062 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, 16) }
```


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

```
.border{ border-color:rgb(242, 0, 16) }
```

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, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 16);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 16)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.7115, 18.9147, 2.2062 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, 16) }
```

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

```
.background{ background-color: rgb(242, 0,  
16) }
```

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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