

Converting Colors

XYZ(35.9405, 18.5156, 2.2407)

Have a look what the booklet for
XYZ(35.9405, 18.5156, 2.2407)
contains.

XYZ(36.0444, 18.5689, 2.2567)	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(36.0444, 18.5689,
2.2567)**

Conversions

Conversions Part 1

Format	Color
Hex	F00012
RGB	240, 0, 18
RGB Percent	94%, 0%, 7%
CMY	0.0588, 0.9998, 0.9294
CMYK	0.00, 1.00, 0.92, 0.06
HSL	356°, 100%, 47%
HSV	356°, 100%, 94%
XYZ	36.0444, 18.5689, 2.2567
YIQ	73.8120, 137.2620, 56.4780

Conversions

Conversions Part 2

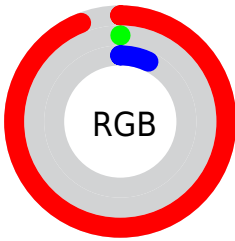
Format	Color
RYB	240, 0, 18
Decimal	15728658
CIELab	50.18, 76.66, 59.16
CIElCh	50, 96.834, 37.661
Yxy	18.5689, 0.6338, 0.3265
Android (android.graphics.Color)	4293918738 (0xFFFF0012)
YUV	73.8120, -27.5153, 145.7469
Hunter-Lab	43.0916, 73.8976, 27.0591

Details

The XYZ color **36.0444, 18.5689, 2.2567** 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 **44.3530, 67.5971, 79.8568**, and the grayscale version is **6.5114, 6.8505, 7.4602**.

A 20% lighter version of the original color is **46.1977, 29.5061, 8.7292**, and **17.2336, 8.8842, 0.8065** is the 20% darker color. If you saturate the color by 10%, you get **36.0437, 18.5687, 2.2544**, and if you desaturate by 10%, it is **36.6493, 19.3354, 3.8264**.

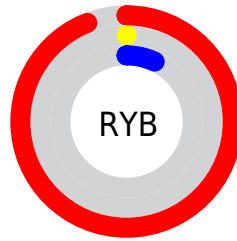
Distribution



Red (94%)

Green (0%)

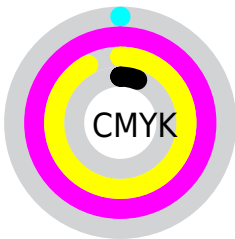
Blue (7%)



Red (94%)

Yellow (0%)

Blue (7%)

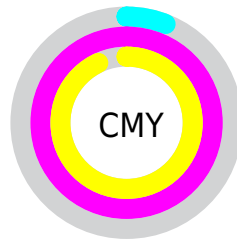


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (6%)



Cyan (6%)


Magenta (100%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0444, 18.5689, 2.2567 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 36.0444, 18.5689, 2.2567 by changing the saturation by 10% instead.


 36.0444, 18.5689,
2.2567


 36.0444, 18.5689,
2.2567


320.5824,
244.0584, 126.2435


 24.6388, 11.3592,
0.7068


 68.4240, 41.0044,
9.7314

 15.9354, 6.3090,
0.0000


 90.1287, 56.9989,
16.5156


 9.5690, 3.0339,
0.0000


 115.9971, 76.6905,
25.8889

 5.1742, 1.1494,
0.0000

 146.3946,
100.4636, 38.2701

 2.3856, 0.0198,
0.0000

 181.6865,
128.7025, 54.0776


 0.8380, 0.0000,
0.0000


 222.2382,


 0.0000, 0.0000,


161.7917, 73.7300


0.0000


 268.4151,
200.1155, 97.6458


 36.0444, 18.5689,
2.2567


 36.0444, 18.5689,
2.2567


 36.0437, 18.5687,
2.2544

 36.6493, 19.3354,
3.8264

 37.8752, 20.9962,
6.6733

 39.8806, 23.8172,
11.0100

 42.7676, 27.9593,
17.0035

 46.6227, 33.5578,
24.7985

■ 51.5219, 40.7312,
34.5237

■ 57.5336, 49.5860,
46.2964

■ 64.7206, 60.2192,
60.2241

■ 73.1407, 72.7206,
76.4072

Harmonies

Analogous

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



42.1279, 18.5689, 14.1033



36.0444, 18.5689, 2.2567



25.4002, 18.5689, 0.0000

Triad

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



36.0444, 18.5689, 2.2567



5.6979, 18.5689, 6.2856



20.1553, 18.5689, 126.1745

Complementary

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



36.0444, 18.5689, 2.2567



44.3530, 67.5971, 79.8568

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.



11.6611, 18.5689, 114.9850



36.0444, 18.5689, 2.2567



5.1567, 18.5689, 27.8862

Square

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



36.0444, 18.5689, 2.2567



8.7876, 18.5689, 0.6892



6.9016, 18.5689, 70.7962



31.0662, 18.5689, 94.4777

Rectangle

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



36.0444, 18.5689, 2.2567



18.3930, 18.5689, 0.0000



6.9016, 18.5689, 70.7962



16.9257, 18.5689, 127.5918

Sweetspot

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



36.0448, 18.5701, 2.2569



65.9350, 56.7701, 52.9514



45.2452, 21.5088, 84.2045



13.4553, 11.1813, 10.0501



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.



36.0448, 18.5701, 2.2569



41.3581, 21.3073, 2.5521



40.4957, 27.6461, 3.2036



15.8208, 15.7780, 16.6123



19.7489, 10.1720, 1.3284



1.6595, 0.8528, 0.1976

Inverse Universe

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



36.0448, 18.5701, 2.2569



41.3581, 21.3073, 2.5521



25.1104, 25.0548, 85.9502



15.8208, 15.7780, 16.6123



19.7489, 10.1720, 1.3284



1.6595, 0.8528, 0.1976

Previews

White Background



This preview shows how the XYZ color 36.0444, 18.5689, 2.2567 looks on a white background.

Color Contrast Check

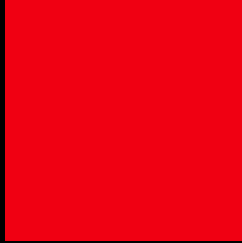
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.0444, 18.5689, 2.2567 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 36.0444, 18.5689, 2.2567

Background



This preview shows how black text looks on a background with the XYZ color 36.0444, 18.5689, 2.2567.



This preview shows how white text looks on a background with the XYZ color 36.0444, 18.5689,

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

36.0444, 18.5689, 2.2567

Protanopia

17.3569, 19.0555, 4.6827

Deuteranopia

19.2676, 19.0338, 2.6584



Tritanopia

35.5468, 18.7510, 1.7458

Trichromacy



Original Color

36.0444, 18.5689, 2.2567

Protanomaly

20.3568, 14.4054, 3.0039

Deuteranomaly

22.4285, 15.0947, 1.9325

Tritanomaly

35.7920, 18.6801, 1.9202

Monochromacy



Original Color

36.0444, 18.5689, 2.2567

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

11.5139, 7.3677, 4.3053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0444, 18.5689, 2.2567 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, 18)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 18)  
}
```

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, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 18) }
```

Border

The CSS property to change the border of an element to XYZ 36.0444, 18.5689, 2.2567 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, 18) }
```


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

```
.border{ border-color:rgb(240, 0, 18) }
```

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, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 18);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 18)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.0444, 18.5689, 2.2567 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, 18) }
```

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

```
.background{ background-color: rgb(240, 0,  
18) }
```

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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