

Converting Colors

XYZ(36.1621, 18.6043, 3.4078)

Have a look what the booklet for
XYZ(36.1621, 18.6043, 3.4078)
contains.

XYZ(36.2691, 18.6588, 3.4402)	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>	30

Color

**XYZ(36.2691, 18.6588,
3.4402)**

Conversions

Conversions Part 1

Format	Color
Hex	F00025
RGB	240, 0, 37
RGB Percent	94%, 0%, 15%
CMY	0.0588, 0.9998, 0.8549
CMYK	0.00, 1.00, 0.85, 0.06
HSL	351°, 100%, 47%
HSV	351°, 100%, 94%
XYZ	36.2691, 18.6588, 3.4402
YIQ	75.9780, 131.1630, 62.3870

Conversions

Conversions Part 2

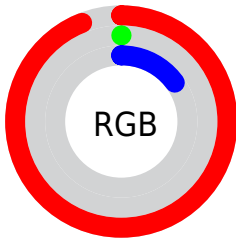
Format	Color
RYB	240, 0, 37
Decimal	15728677
CIELab	50.29, 76.95, 51.06
CIElCh	50, 92.348, 33.566
Yxy	18.6588, 0.6214, 0.3197
Android (android.graphics.Color)	4293918757 (0xFFFF0025)
YUV	75.9780, -19.2162, 143.8473
Hunter-Lab	43.1958, 74.2837, 25.5151

Details

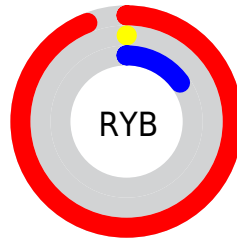
The XYZ color **36.2691, 18.6588, 3.4402** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **41.9470, 66.6347, 67.1873**, and the grayscale version is **6.8887, 7.2475, 7.8925**.

A 20% lighter version of the original color is **46.8429, 29.9055, 11.6909**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **36.2681, 18.6584, 3.4361**, and if you desaturate by 10%, it is **37.0089, 19.4793, 5.7203**.

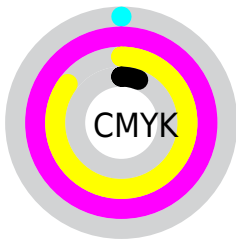
Distribution



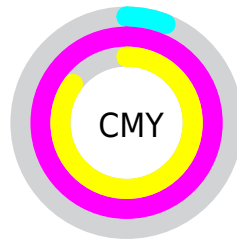
- Red (94%)
- Green (0%)
- Blue (15%)



- Red (94%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2691, 18.6588, 3.4402 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 36.2691, 18.6588, 3.4402 by changing the saturation by 10% instead.


 36.2691, 18.6588,
3.4402


 36.2691, 18.6588,
3.4402


321.5460,
244.5586, 141.7837


 24.8132, 11.4240,
1.3236


 68.7684, 41.1568,
12.6966

 16.0659, 6.3528,
0.0810


 90.5424, 57.1887,
20.6735


 9.6619, 3.0608,
0.0000


 116.4866, 76.9218,
31.4408

 5.2359, 1.1635,
0.0000

 146.9661,
100.7405, 45.4172

 2.4225, 0.0316,
0.0000

 182.3465,
129.0291, 63.0211

 0.8564, 0.0000,
0.0000

 222.9930,

 0.0000, 0.0000,

162.1720, 84.6711

0.0000

269.2711,
200.5538, 110.7858

36.2691, 18.6588,
3.4402

36.2691, 18.6588,
3.4402

36.2681, 18.6584,
3.4361

37.0089, 19.4793,
5.7203

38.3555, 21.1884,
9.2029

40.4567, 24.0478,
14.0437

43.4063, 28.2150,
20.3665

47.2841, 33.8226,
28.2809

■ 52.1604, 40.9869,
37.8858

■ 58.0988, 49.8124,
49.2721

■ 65.1575, 60.3944,
62.5242

■ 73.3904, 72.8209,
77.7209

Harmonies

Analogous

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



41.0298, 18.6588, 17.4047



36.2691, 18.6588, 3.4402



26.5443, 18.6588, 0.2802

Triad

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



36.2691, 18.6588, 3.4402



6.3629, 18.6588, 5.3328



18.8258, 18.6588, 119.7682

Complementary

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



36.2691, 18.6588, 3.4402



41.9470, 66.6347, 67.1873

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.



11.1280, 18.6588, 104.0210



36.2691, 18.6588, 3.4402



5.5128, 18.6588, 23.5357

Square

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



36.2691, 18.6588, 3.4402



9.8247, 18.6588, 0.6817



6.9183, 18.6588, 61.5224



29.0427, 18.6588, 95.1848

Rectangle

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



36.2691, 18.6588, 3.4402



19.7324, 18.6588, 0.0000



6.9183, 18.6588, 61.5224



15.8765, 18.6588, 119.0684

Sweetspot

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



36.2695, 18.6600, 3.4404



66.5847, 57.0300, 56.3731



39.5506, 18.5732, 83.9379



13.6035, 11.2406, 10.8307



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.



36.2695, 18.6600, 3.4404



41.6105, 21.4082, 3.8812



38.8068, 24.2684, 2.6406



15.8720, 15.7985, 16.8821



19.8843, 10.2261, 2.0413



1.6838, 0.8626, 0.3258

Inverse Universe

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



36.2695, 18.6600, 3.4404



41.6105, 21.4082, 3.8812



28.3030, 31.4399, 87.0142



15.8720, 15.7985, 16.8821



19.8843, 10.2261, 2.0413



1.6838, 0.8626, 0.3258

Previews

White Background



This preview shows how the XYZ color 36.2691, 18.6588, 3.4402 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 36.2691, 18.6588, 3.4402 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 36.2691, 18.6588, 3.4402

Background



This preview shows how black text looks on a background with the XYZ color 36.2691, 18.6588, 3.4402.



This preview shows how white text looks on a background with the XYZ color 36.2691, 18.6588,

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

36.2691, 18.6588, 3.4402

Protanopia

17.4845, 19.0693, 7.0342

Tritanopia

35.8835, 18.9245, 1.7615

Trichromacy



Original Color

36.2691, 18.6588, 3.4402

Protanomaly

20.5073, 14.4399, 4.9551

Tritanomaly

35.8263, 18.6939, 2.1008

Monochromacy



Original Color

36.2691, 18.6588, 3.4402

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

12.0798, 7.6959, 5.4062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2691, 18.6588, 3.4402 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, 37)` looks like.

```
.text, #text, p{  
  color:rgb(240, 0, 37)  
}
```

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, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 37) }
```

Border

The CSS property to change the border of an element to XYZ 36.2691, 18.6588, 3.4402 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, 37) }
```

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

```
.border{ border-color:rgb(240, 0, 37) }
```

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, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 37);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 37)  
}
```


Background

The CSS property to change the background color of an element to XYZ 36.2691, 18.6588, 3.4402 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, 37) }
```

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

```
.background{ background-color: rgb(240, 0,  
37) }
```

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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