

Converting Colors

XYZ(36.2463, 18.5717, 6.8443)

Have a look what the booklet for
XYZ(36.2463, 18.5717, 6.8443)
contains.

XYZ(36.2433, 18.5705, 6.8285)	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(36.2433, 18.5705,
6.8285)**

Conversions

Conversions Part 1

Format	Color
Hex	EE0042
RGB	238, 0, 66
RGB Percent	93%, 0%, 26%
CMY	0.0667, 0.9998, 0.7412
CMYK	0.00, 1.00, 0.72, 0.07
HSL	343°, 100%, 47%
HSV	343°, 100%, 93%
XYZ	36.2433, 18.5705, 6.8285
YIQ	78.6860, 120.6620, 70.9820

Conversions

Conversions Part 2

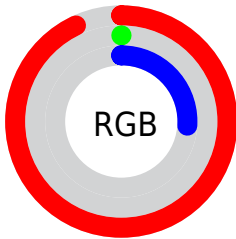
Format	Color
R_{YB}	238, 0, 66
Decimal	15597634
CIE _{Lab}	50.18, 77.31, 34.64
CIE _{LCh}	50, 84.721, 24.137
Yxy	18.5705, 0.5880, 0.3013
Android (android.graphics.Color)	4293787714 (0xFFEE0042)
YUV	78.6860, -6.2542, 139.7184
Hunter-Lab	43.0935, 74.7118, 20.7705

Details

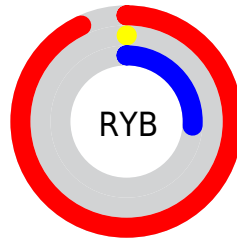
The XYZ color **36.2433, 18.5705, 6.8285** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **38.0271, 64.1299, 49.4331**, and the grayscale version is **7.3733, 7.7573, 8.4477**.

A 20% lighter version of the original color is **48.2800, 30.4803, 19.2582**, and **17.3985, 8.9502, 1.6747** is the 20% darker color. If you saturate the color by 10%, you get **36.2418, 18.5699, 6.8219**, and if you desaturate by 10%, it is **37.1527, 19.4522, 10.0216**.

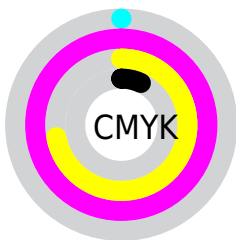
Distribution



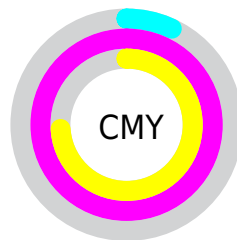
- Red (93%)
- Green (0%)
- Blue (26%)



- Red (93%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2433, 18.5705, 6.8285 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 36.2433, 18.5705, 6.8285 by changing the saturation by 10% instead.


 36.2433, 18.5705,
6.8285


 36.2433, 18.5705,
6.8285


321.4354,
244.0673, 175.8075


 24.7931, 11.3603,
3.2783

 68.7288, 41.0071,
20.1343

 16.0509, 6.3098,
1.2384


 90.4949, 57.0023,
30.7270


 9.6513, 3.0343,
0.0105


 116.4304, 76.6946,
44.5042

 5.2288, 1.1497,
0.0000

 146.9006,
100.4685, 61.8845

 2.4183, 0.0200,
0.0000

 182.2708,
128.7083, 83.2864

 0.8542, 0.0000,
0.0000

 222.9064,

 0.0000, 0.0000,

161.7985, 109.1286

0.0000

269.1729,
200.1233, 139.8294

■ 36.2433, 18.5705,
6.8285

■ 36.2433, 18.5705,
6.8285

■ 36.2418, 18.5699,
6.8219

■ 37.1527, 19.4522,
10.0216

■ 38.6228, 21.1912,
14.2152

■ 40.7893, 24.0409,
19.5097

■ 43.7356, 28.1523,
25.9830

■ 47.5328, 33.6524,
33.7052

■ 52.2436, 40.6526,
42.7404

■ 57.9246, 49.2530,
53.1480

■ 64.6278, 59.5450,
64.9838

■ 72.4013, 71.6130,
78.3002

Harmonies

Analogous

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



38.3721, 18.5705, 25.1786



36.2433, 18.5705, 6.8285



28.5601, 18.5705, 1.2774

Triad

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



36.2433, 18.5705, 6.8285



7.7271, 18.5705, 3.6472



16.0925, 18.5705, 106.2637

Complementary

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



36.2433, 18.5705, 6.8285



38.0271, 64.1299, 49.4331

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.



9.9475, 18.5705, 83.0900



36.2433, 18.5705, 6.8285



6.1732, 18.5705, 15.9595

Square

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



36.2433, 18.5705, 6.8285



11.9692, 18.5705, 0.6435



6.8374, 18.5705, 44.7956



24.8942, 18.5705, 95.4611

Rectangle

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



36.2433, 18.5705, 6.8285



22.3077, 18.5705, 0.3512



6.8374, 18.5705, 44.7956



13.6916, 18.5705, 101.8537

Sweetspot

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



36.2437, 18.5717, 6.8288



67.6504, 57.4563, 61.9850



32.1371, 14.7855, 82.0485



13.8491, 11.3389, 12.1239



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.



36.2437, 18.5717, 6.8288



42.3667, 21.7107, 7.8633



36.4708, 20.5987, 2.0554



15.9528, 15.8308, 17.3077



20.2664, 10.3790, 4.0535



1.7267, 0.8797, 0.5515

Inverse Universe

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



36.2437, 18.5717, 6.8288



42.3667, 21.7107, 7.8633



33.0862, 41.4793, 87.1509



15.9528, 15.8308, 17.3077



20.2664, 10.3790, 4.0535



1.7267, 0.8797, 0.5515

Previews

White Background



This preview shows how the XYZ color 36.2433, 18.5705, 6.8285 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 36.2433, 18.5705, 6.8285 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 36.2433, 18.5705, 6.8285

Background



This preview shows how black text looks on a background with the XYZ color 36.2433, 18.5705, 6.8285.



This preview shows how white text looks on a background with the XYZ color 36.2433, 18.5705,

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

36.2433, 18.5705, 6.8285

Protanopia

17.9916, 19.1648, 14.5553

Deuteranopia

19.3743, 19.0118, 6.1385



Tritanopia

35.4433, 18.8389, 2.4300

Trichromacy



Original Color

36.2433, 18.5705, 6.8285



Protanomaly

20.5226, 14.3207, 10.6993



Deuteranomaly

22.4377, 15.0157, 5.7187



Tritanomaly

35.4594, 18.5390, 3.4597

Monochromacy



Original Color

36.2433, 18.5705, 6.8285



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.6932, 8.0940, 7.3719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2433, 18.5705, 6.8285 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(238, 0, 66)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 66)  
}
```

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(238, 0, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 66) }
```

Border

The CSS property to change the border of an element to XYZ 36.2433, 18.5705, 6.8285 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(238, 0, 66) }
```


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

```
.border{ border-color:rgb(238, 0, 66) }
```

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

Here you see how a box with a 4 pixel rgb(238, 0, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 66);  
box-shadow:4px 4px 4px 4px rgb(238, 0, 66)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.2433, 18.5705, 6.8285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 66) }
```

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

```
.background{ background-color: rgb(238, 0,  
66) }
```

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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