

Converting Colors

XYZ(35.8378, 17.8440, 7.2026)

Have a look what the booklet for
XYZ(35.8378, 17.8440, 7.2026)
contains.

XYZ(36.3341, 18.6068, 7.3067)	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(36.3341, 18.6068,
7.3067)**

Conversions

Conversions Part 1

Format	Color
Hex	EE0045
RGB	238, 0, 69
RGB Percent	93%, 0%, 27%
CMY	0.0667, 0.9998, 0.7294
CMYK	0.00, 1.00, 0.71, 0.07
HSL	343°, 100%, 47%
HSV	343°, 100%, 93%
XYZ	36.3341, 18.6068, 7.3067
YIQ	79.0280, 119.6990, 71.9150

Conversions

Conversions Part 2

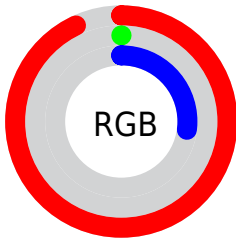
Format	Color
R_{YB}	238, 0, 69
Decimal	15597637
CIE _{Lab}	50.22, 77.43, 32.91
CIE _{LCh}	50, 84.133, 23.024
Yxy	18.6068, 0.5837, 0.2989
Android (android.graphics.Color)	4293787717 (0xFFEE0045)
YUV	79.0280, -4.9438, 139.4184
Hunter-Lab	43.1356, 74.8673, 20.1518

Details

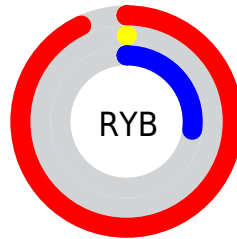
The XYZ color **36.3341, 18.6068, 7.3067** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **37.7419, 64.0158, 47.9311**, and the grayscale version is **7.4363, 7.8236, 8.5199**.

A 20% lighter version of the original color is **48.4536, 30.5498, 20.1725**, and **17.4314, 8.9634, 1.8483** is the 20% darker color. If you saturate the color by 10%, you get **36.3326, 18.6062, 7.3000**, and if you desaturate by 10%, it is **37.2593, 19.4948, 10.5830**.

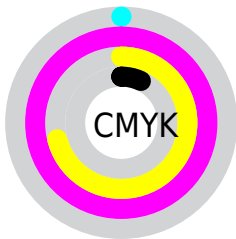
Distribution



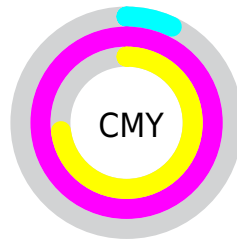
- Red (93%)
- Green (0%)
- Blue (27%)



- Red (93%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3341, 18.6068, 7.3067 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 36.3341, 18.6068, 7.3067 by changing the saturation by 10% instead.


 36.3341, 18.6068,
7.3067


 36.3341, 18.6068,
7.3067

321.8243,
244.2694, 179.9148


 24.8636, 11.3865,
3.5733


 68.8679, 41.0686,
21.1109


 16.1037, 6.3274,
1.3943


 90.6620, 57.0789,
32.0188

 9.6889, 3.0452,
0.1373


 116.6280, 76.7880,
46.1552

 5.2538, 1.1554,
0.0000

 147.1313,
100.5804, 63.9387

 2.4332, 0.0248,
0.0000

 182.5372,
128.8402, 85.7879

 0.8617, 0.0000,
0.0000

 223.2111,

 0.0000, 0.0000,

161.9521, 112.1213

0.0000

269.5184,
200.3004, 143.3575

■ 36.3341, 18.6068,
7.3067

■ 36.3341, 18.6068,
7.3067

■ 36.3326, 18.6062,
7.3000

■ 37.2593, 19.4948,
10.5830

■ 38.7413, 21.2385,
14.8392

■ 40.9149, 24.0910,
20.1715

■ 43.8630, 28.2031,
26.6548

■ 47.6562, 33.7015,
34.3562

■ 52.3567, 40.6976,
43.3370

■ 58.0206, 49.2910,
53.6544

■ 64.6994, 59.5732,
65.3618

■ 72.4408, 71.6282,
78.5096

Harmonies

Analogous

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



38.1909, 18.6068, 26.2004



36.3341, 18.6068, 7.3067



28.8569, 18.6068, 1.4101

Triad

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



36.3341, 18.6068, 7.3067



7.9032, 18.6068, 3.4972



15.8531, 18.6068, 105.1523

Complementary

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



36.3341, 18.6068, 7.3067



37.7419, 64.0158, 47.9311

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.



9.8484, 18.6068, 81.2312



36.3341, 18.6068, 7.3067



6.2616, 18.6068, 15.2925

Square

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



36.3341, 18.6068, 7.3067



12.2471, 18.6068, 0.6406



6.8443, 18.6068, 43.3085



24.5334, 18.6068, 95.7472

Rectangle

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



36.3341, 18.6068, 7.3067



22.6552, 18.6068, 0.4283



6.8443, 18.6068, 43.3085



13.5011, 18.6068, 100.3707

Sweetspot

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



36.3345, 18.6080, 7.3070



67.7634, 57.5015, 62.5797



31.2887, 14.3481, 82.0088



13.8753, 11.3493, 12.2618



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.



36.3345, 18.6080, 7.3070



42.4722, 21.7529, 8.4185



36.3026, 20.2622, 1.9993



15.9611, 15.8342, 17.3516



20.3186, 10.3999, 4.3285



1.7319, 0.8818, 0.5792

Inverse Universe

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



36.3345, 18.6080, 7.3070



42.4722, 21.7529, 8.4185



33.9359, 43.1786, 87.4342



15.9611, 15.8342, 17.3516



20.3186, 10.3999, 4.3285



1.7319, 0.8818, 0.5792

Previews

White Background



This preview shows how the XYZ color 36.3341, 18.6068, 7.3067 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



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 36.3341, 18.6068, 7.3067

Background



This preview shows how black text looks on a background with the XYZ color 36.3341, 18.6068, 7.3067.



This preview shows how white text looks on a background with the XYZ color 36.3341, 18.6068,

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

36.3341, 18.6068, 7.3067

Protanopia

18.1876, 19.2432, 15.5877

Deuteranopia

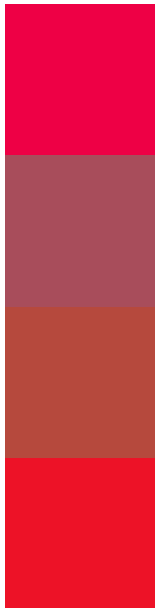
19.4469, 19.0409, 6.5212



Tritanopia

35.4851, 18.8930, 2.5355

Trichromacy



Original Color

36.3341, 18.6068, 7.3067

Protanomaly

20.6907, 14.3879, 11.5842

Deuteranomaly

22.5163, 15.0471, 6.1325

Tritanomaly

35.5076, 18.5836, 3.6350

Monochromacy



Original Color

36.3341, 18.6068, 7.3067

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

12.7271, 8.1076, 7.5507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3341, 18.6068, 7.3067 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 69) }
```

Border

The CSS property to change the border of an element to XYZ 36.3341, 18.6068, 7.3067 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, 69) }
```


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

```
.border{ border-color:rgb(238, 0, 69) }
```

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, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 69);  
box-shadow:4px 4px 4px 4px rgb(238, 0, 69)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.3341, 18.6068, 7.3067 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, 69) }
```

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

```
.background{ background-color: rgb(238, 0,  
69) }
```

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