

Converting Colors

XYZ(36.7227, 18.7294, 10.8393)

Have a look what the booklet for
XYZ(36.7227, 18.7294, 10.8393)
contains.

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Color

**XYZ(36.6865, 18.7091,
10.9101)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0058
RGB	237, 0, 88
RGB Percent	93%, 0%, 35%
CMY	0.0706, 0.9998, 0.6549
CMYK	0.00, 1.00, 0.63, 0.07
HSL	338°, 100%, 46%
HSV	338°, 100%, 93%
XYZ	36.6865, 18.7091, 10.9101
YIQ	80.8950, 113.0040, 77.6120

Conversions

Conversions Part 2

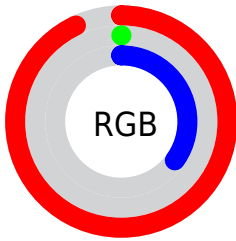
Format	Color
R_{YB}	237, 0, 88
Decimal	15532120
CIE _{Lab}	50.35, 78.08, 21.49
CIE _{LCh}	50, 80.983, 15.392
Yxy	18.7091, 0.5533, 0.2822
Android (android.graphics.Color)	4293722200 (0xFFED0058)
YUV	80.8950, 3.5028, 136.9041
Hunter-Lab	43.2540, 75.7027, 15.3229

Details

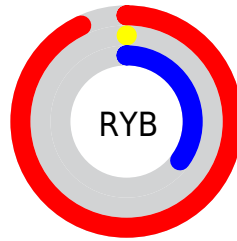
The XYZ color **36.6865, 18.7091, 10.9101** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **35.7141, 62.7402, 38.6854**, and the grayscale version is **7.7842, 8.1896, 8.9185**.

A 20% lighter version of the original color is **49.7581, 31.0716, 27.0418**, and **17.6882, 9.0661, 3.2005** is the 20% darker color. If you saturate the color by 10%, you get **36.6848, 18.7084, 10.9023**, and if you desaturate by 10%, it is **37.6899, 19.6251, 14.6082**.

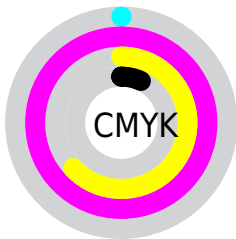
Distribution



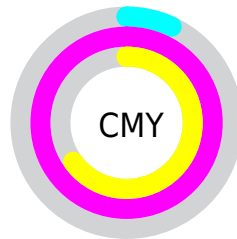
- Red (93%)
- Green (0%)
- Blue (35%)



- Red (93%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6865, 18.7091, 10.9101 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 36.6865, 18.7091, 10.9101 by changing the saturation by 10% instead.


 36.6865, 18.7091,
10.9101


 36.6865, 18.7091,
10.9101


323.3304,
244.8381, 207.7650

 25.1374, 11.4603,
5.8930


 69.4073, 41.2420,
28.1279

 16.3087, 6.3773,
2.7124


 91.3098, 57.2948,
41.1657


 9.8351, 3.0758,
0.9497


 117.3941, 77.0511,
57.7142

 5.3512, 1.1715,
0.0000

 148.0255,
100.8952, 78.1918

 2.4916, 0.0382,
0.0000

 183.5695,
129.2116, 103.0171

 0.8910, 0.0000,
0.0000

 224.3915,

 0.0000, 0.0000,

162.3846, 132.6088

0.0000

270.8566,
200.7986, 167.3852

■ 36.6865, 18.7091,
10.9101

■ 36.6865, 18.7091,
10.9101

■ 36.6848, 18.7084,
10.9023

■ 37.6899, 19.6251,
14.6082

■ 39.2183, 21.3777,
19.1388

■ 41.4018, 24.2164,
24.5778

■ 44.3190, 28.2891,
30.9817

■ 48.0369, 33.7200,
38.4011

■ 52.6141, 40.6182,
46.8826

■ 58.1038, 49.0815,
56.4695

■ 64.5546, 59.1992,
67.2023

■ 72.0116, 71.0538,
79.1195

Harmonies

Analogous

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



36.7733, 18.7091, 33.3473



36.6865, 18.7091, 10.9101



30.6412, 18.7091, 2.4855

Triad

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



36.6865, 18.7091, 10.9101



9.0498, 18.7091, 2.5898



14.2379, 18.7091, 97.4707

Complementary

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



36.6865, 18.7091, 10.9101



35.7141, 62.7402, 38.6854

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.



9.1433, 18.7091, 69.3064



36.6865, 18.7091, 10.9101



6.8037, 18.7091, 11.2915

Square

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



36.6865, 18.7091, 10.9101



14.0665, 18.7091, 0.6099



6.8319, 18.7091, 34.1477



22.1011, 18.7091, 97.0364

Rectangle

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



36.6865, 18.7091, 10.9101



24.8442, 18.7091, 0.9211



6.8319, 18.7091, 34.1477



12.2043, 18.7091, 90.4594

Sweetspot

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



36.6869, 18.7103, 10.9104



68.5095, 57.7999, 66.5089



27.1712, 12.2424, 81.0513



14.0490, 11.4189, 13.1770



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.



36.6869, 18.7103, 10.9104



43.2894, 22.0798, 12.7222



35.3334, 18.8209, 1.7722



15.2966, 15.1465, 16.8474



20.0869, 10.2374, 6.2587



1.6224, 0.8219, 0.7292

Inverse Universe

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



36.6869, 18.7103, 10.9104



43.2894, 22.0798, 12.7222



38.1747, 51.8907, 88.1242



15.2966, 15.1465, 16.8474



20.0869, 10.2374, 6.2587



1.6224, 0.8219, 0.7292

Previews

White Background



This preview shows how the XYZ color 36.6865, 18.7091, 10.9101 looks on a white background.

Color Contrast Check

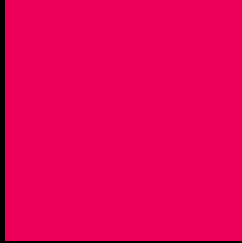
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.6865, 18.7091, 10.9101 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 36.6865, 18.7091, 10.9101

Background



This preview shows how black text looks on a background with the XYZ color 36.6865, 18.7091, 10.9101.



This preview shows how white text looks on a background with the XYZ color 36.6865, 18.7091,

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

36.6865, 18.7091, 10.9101

Protanopia

18.8259, 19.3973, 23.5207

Deuteranopia

19.4746, 19.1518, 9.8780



Tritanopia

35.1227, 18.9685, 3.1766

Trichromacy



Original Color

36.6865, 18.7091, 10.9101



Protanomaly

21.0010, 14.4152, 17.5951



Deuteranomaly

22.5622, 15.0905, 9.7062



Tritanomaly

35.4988, 18.6546, 4.9785

Monochromacy



Original Color

36.6865, 18.7091, 10.9101



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.3095, 8.4993, 9.3266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6865, 18.7091, 10.9101 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(237, 0, 88)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 88)  
}
```

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(237, 0, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 88) }
```

Border

The CSS property to change the border of an element to XYZ 36.6865, 18.7091, 10.9101 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(237, 0, 88) }
```


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

```
.border{ border-color:rgb(237, 0, 88) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 88);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 88)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.6865, 18.7091, 10.9101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 88) }
```

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

```
.background{ background-color: rgb(237, 0,  
88) }
```

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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