

Converting Colors

XYZ(35.6711, 18.1762, 11.3487)

Have a look what the booklet for
XYZ(35.6711, 18.1762, 11.3487)
contains.

XYZ(35.7771, 18.2306, 11.3061)	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(35.7771, 18.2306,
11.3061)**

Conversions

Conversions Part 1

Format	Color
Hex	EA005A
RGB	234, 0, 90
RGB Percent	92%, 0%, 35%
CMY	0.0824, 0.9998, 0.6471
CMYK	0.00, 1.00, 0.62, 0.08
HSL	337°, 100%, 46%
HSV	337°, 100%, 92%
XYZ	35.7771, 18.2306, 11.3061
YIQ	80.2260, 110.5740, 77.5980

Conversions

Conversions Part 2

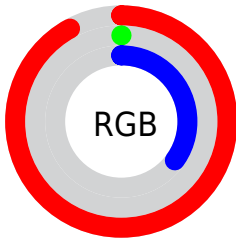
Format	Color
R_{YB}	234, 0, 90
Decimal	15335514
CIE _{Lab}	49.77, 77.50, 19.40
CIE _{LCh}	50, 79.895, 14.053
Yxy	18.2306, 0.5478, 0.2791
Android (android.graphics.Color)	4293525594 (0xFFEA005A)
YUV	80.2260, 4.8186, 134.8598
Hunter-Lab	42.6973, 74.8492, 14.1883

Details

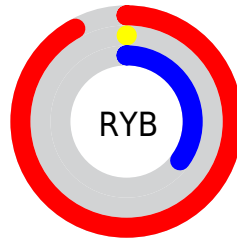
The XYZ color **35.7771, 18.2306, 11.3061** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **34.4616, 60.8609, 36.3389**, and the grayscale version is **7.6509, 8.0493, 8.7657**.

A 20% lighter version of the original color is **49.9763, 31.1589, 28.1912**, and **17.0512, 8.7355, 3.2700** is the 20% darker color. If you saturate the color by 10%, you get **35.7754, 18.2299, 11.2983**, and if you desaturate by 10%, it is **36.7662, 19.1311, 14.9594**.

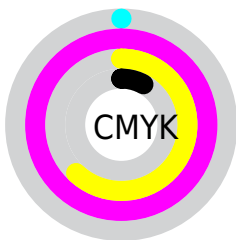
Distribution



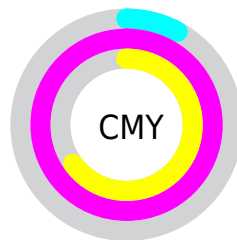
- Red (92%)
- Green (0%)
- Blue (35%)



- Red (92%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7771, 18.2306, 11.3061 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 35.7771, 18.2306, 11.3061 by changing the saturation by 10% instead.


 35.7771, 18.2306,
11.3061


 35.7771, 18.2306,
11.3061


319.4335,
242.1676, 210.5680


 24.4314, 11.1157,
6.1564


 68.0140, 40.4299,
28.8701


 15.7804, 6.1447,
2.8701


 89.6359, 56.2830,
42.1214


 9.4588, 2.9333,
1.0287


 115.4140, 75.8177,
58.9103

 5.1011, 1.0970,
0.0000

 145.7135, 99.4182,
79.6554

 2.3421, 0.0000,
0.0000

 180.8999,
127.4691, 104.7752

 0.8161, 0.0000,
0.0000

 221.3384,

 0.0000, 0.0000,

160.3547, 134.6881

0.0000

267.3945,
198.4594, 169.8129

■ 35.7771, 18.2306,
11.3061

■ 35.7771, 18.2306,
11.3061

■ 35.7754, 18.2299,
11.2983

■ 36.7662, 19.1311,
14.9594

■ 38.2604, 20.8412,
19.3983

■ 40.3859, 23.6041,
24.6942

■ 43.2185, 27.5627,
30.8993

■ 46.8225, 32.8373,
38.0610

■ 51.2546, 39.5334,
46.2222

■ 56.5659, 47.7457,
55.4233

■ 62.8031, 57.5606,
65.7020

■ 70.0098, 69.0580,
77.0938

Harmonies

Analogous

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



35.5743, 18.2306, 33.7518



35.7771, 18.2306, 11.3061



30.1322, 18.2306, 2.6352

Triad

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



35.7771, 18.2306, 11.3061



9.0073, 18.2306, 2.3882



13.6064, 18.2306, 93.6857

Complementary

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



35.7771, 18.2306, 11.3061



34.4616, 60.8609, 36.3389

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.



8.7878, 18.2306, 65.6453



35.7771, 18.2306, 11.3061



6.7142, 18.2306, 10.4105

Square

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



35.7771, 18.2306, 11.3061



14.0084, 18.2306, 0.5813



6.6478, 18.2306, 31.8795



21.1337, 18.2306, 94.6991

Rectangle

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



35.7771, 18.2306, 11.3061



24.5600, 18.2306, 0.9772



6.6478, 18.2306, 31.8795



11.6759, 18.2306, 86.5204

Sweetspot

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



35.7775, 18.2317, 11.3064



68.6344, 57.8499, 67.1664



25.7383, 11.5539, 78.7149



14.0782, 11.4305, 13.3307



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.



35.7775, 18.2317, 11.3064



43.4465, 22.1426, 13.5491



34.2472, 18.1233, 1.6948



15.3051, 15.1499, 16.8922



20.1609, 10.2671, 6.6488



1.6288, 0.8245, 0.7629

Inverse Universe

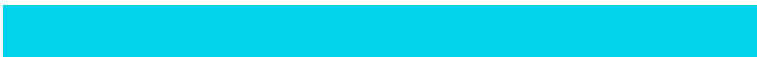
The Inverse Universe completely reimagines the original color for something new.



35.7775, 18.2317, 11.3064



43.4465, 22.1426, 13.5491



38.0481, 52.3333, 85.9373



15.3051, 15.1499, 16.8922



20.1609, 10.2671, 6.6488



1.6288, 0.8245, 0.7629

Previews

White Background



This preview shows how the XYZ color 35.7771, 18.2306, 11.3061 looks on a white 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

Black Background



This preview shows how the XYZ color 35.7771, 18.2306, 11.3061 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 35.7771, 18.2306, 11.3061

Background



This preview shows how black text looks on a background with the XYZ color 35.7771, 18.2306, 11.3061.



This preview shows how white text looks on a background with the XYZ color 35.7771, 18.2306,

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

35.7771, 18.2306, 11.3061

Protanopia

18.3694, 18.7815, 24.4868

Deuteranopia

19.0803, 18.7699, 10.2067



Tritanopia

34.1983, 18.5331, 3.2882

Trichromacy



Original Color

35.7771, 18.2306, 11.3061



Protanomaly

20.4933, 14.0303, 18.4576



Deuteranomaly

22.1142, 14.7523, 10.0694



Tritanomaly

34.5765, 18.2028, 5.1811

Monochromacy



Original Color

35.7771, 18.2306, 11.3061



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.9374, 8.2420, 9.2965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7771, 18.2306, 11.3061 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(234, 0, 90)` looks like.

```
.text, #text, p{  
    color:rgb(234, 0, 90)  
}
```

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(234, 0, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 0, 90) }
```

Border

The CSS property to change the border of an element to XYZ 35.7771, 18.2306, 11.3061 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(234, 0, 90) }
```


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

```
.border{ border-color:rgb(234, 0, 90) }
```

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

Here you see how a box with a 4 pixel rgb(234, 0, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(234, 0, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.7771, 18.2306, 11.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 0, 90) }
```

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

```
.background{ background-color: rgb(234, 0,  
90) }
```

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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