

Converting Colors

XYZ(35.8056, 18.3625, 6.0097)

Have a look what the booklet for
XYZ(35.8056, 18.3625, 6.0097)
contains.

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Color

**XYZ(35.7674, 18.3414,
6.0700)**

Conversions

Conversions Part 1

Format	Color
Hex	ED003D
RGB	237, 0, 61
RGB Percent	93%, 0%, 24%
CMY	0.0706, 0.9998, 0.7608
CMYK	0.00, 1.00, 0.74, 0.07
HSL	345°, 100%, 46%
HSV	345°, 100%, 93%
XYZ	35.7674, 18.3414, 6.0700
YIQ	77.8170, 121.6710, 69.2150

Conversions

Conversions Part 2

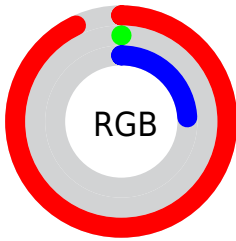
Format	Color
RYB	237, 0, 61
Decimal	15532093
CIELab	49.91, 76.90, 37.23
CIElCh	50, 85.437, 25.835
Yxy	18.3414, 0.5944, 0.3048
Android (android.graphics.Color)	4293722173 (0xFFED003D)
YUV	77.8170, -8.2908, 139.6035
Hunter-Lab	42.8269, 74.1295, 21.5754

Details

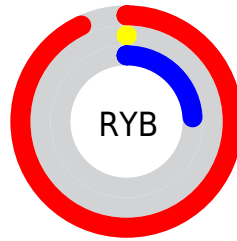
The XYZ color **35.7674, 18.3414, 6.0700** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **38.1266, 63.7052, 51.3892**, and the grayscale version is **7.2117, 7.5873, 8.2625**.

A 20% lighter version of the original color is **47.9495, 30.3481, 17.5179**, and **17.1308, 8.8177, 1.4152** is the 20% darker color. If you saturate the color by 10%, you get **35.7661, 18.3409, 6.0643**, and if you desaturate by 10%, it is **36.6434, 19.2064, 9.0978**.

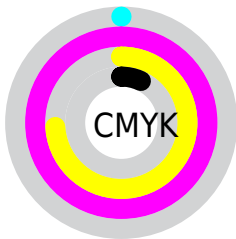
Distribution



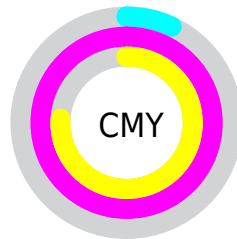
- Red (93%)
- Green (0%)
- Blue (24%)



- Red (93%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7674, 18.3414, 6.0700 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 35.7674, 18.3414, 6.0700 by changing the saturation by 10% instead.

 35.7674, 18.3414,
6.0700


 35.7674, 18.3414,
6.0700


319.3917,
242.7884, 169.0220


 24.4239, 11.1954,
2.8182


 67.9991, 40.6182,
18.5562


 15.7748, 6.1984,
1.0026


 89.6180, 56.5178,
28.6277

 9.4548, 2.9661,
0.0000


 115.3928, 76.1040,
41.8095

 5.0985, 1.1141,
0.0000

 145.6888, 99.7612,
58.5201

 2.3405, 0.0000,
0.0000

 180.8713,
127.8739, 79.1781

 0.8153, 0.0000,
0.0000

 221.3057,

 0.0000, 0.0000,

160.8264, 104.2021

0.0000

267.3574,
199.0031, 134.0106

■ 35.7674, 18.3414,
6.0700

■ 35.7674, 18.3414,
6.0700

■ 35.7661, 18.3409,
6.0643

■ 36.6434, 19.2064,
9.0978

■ 38.0806, 20.9224,
13.1481

■ 40.2146, 23.7413,
18.3267

■ 43.1291, 27.8127,
24.7163

■ 46.8953, 33.2629,
32.3911

■ 51.5762, 40.2025,
41.4189

■ 57.2286, 48.7307,
51.8627

■ 63.9045, 58.9382,
63.7812

■ 71.6522, 70.9090,
77.2298

Harmonies

Analogous

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



38.2959, 18.3414, 23.4244



35.7674, 18.3414, 6.0700



27.8417, 18.3414, 1.0777

Triad

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



35.7674, 18.3414, 6.0700



7.3886, 18.3414, 3.8517



16.3153, 18.3414, 107.0080

Complementary

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



35.7674, 18.3414, 6.0700



38.1266, 63.7052, 51.3892

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.



10.0079, 18.3414, 85.2378



35.7674, 18.3414, 6.0700



5.9807, 18.3414, 16.8742

Square

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



35.7674, 18.3414, 6.0700



11.4378, 18.3414, 0.6397



6.7626, 18.3414, 46.7346



25.2247, 18.3414, 94.1399

Rectangle

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



35.7674, 18.3414, 6.0700



21.5723, 18.3414, 0.2243



6.7626, 18.3414, 46.7346



13.8602, 18.3414, 103.2238

Sweetspot

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



35.7678, 18.3426, 6.0702



67.4735, 57.3855, 61.0534



32.7008, 15.0929, 81.3101



13.8081, 11.3225, 11.9082



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.



35.7678, 18.3426, 6.0702



42.2113, 21.6485, 7.0449



36.3077, 20.7695, 2.0969



15.2245, 15.1176, 16.4673



19.5722, 10.0316, 3.5486



1.5750, 0.8030, 0.4794

Inverse Universe

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



35.7678, 18.3426, 6.0702



42.2113, 21.6485, 7.0449



31.9558, 39.4530, 86.0513



15.2245, 15.1176, 16.4673



19.5722, 10.0316, 3.5486



1.5750, 0.8030, 0.4794

Previews

White Background



This preview shows how the XYZ color 35.7674, 18.3414, 6.0700 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 35.7674, 18.3414, 6.0700 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 35.7674, 18.3414, 6.0700

Background



This preview shows how black text looks on a background with the XYZ color 35.7674, 18.3414, 6.0700.



This preview shows how white text looks on a background with the XYZ color 35.7674, 18.3414,

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

35.7674, 18.3414, 6.0700

Protanopia

17.7015, 18.8728, 12.8351

Deuteranopia

19.1285, 18.7321, 5.4038



Tritanopia

35.0409, 18.5686, 2.2676

Trichromacy



Original Color

35.7674, 18.3414, 6.0700

Protanomaly

20.2181, 14.0878, 9.4382

Deuteranomaly

22.3166, 14.9672, 5.0809

Tritanomaly

35.0519, 18.3133, 3.1262

Monochromacy



Original Color

35.7674, 18.3414, 6.0700

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

12.4636, 7.9833, 7.0149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7674, 18.3414, 6.0700 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, 61)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 61)  
}
```

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, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 61) }
```

Border

The CSS property to change the border of an element to XYZ 35.7674, 18.3414, 6.0700 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, 61) }
```


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

```
.border{ border-color:rgb(237, 0, 61) }
```

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, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 61);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 61)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.7674, 18.3414, 6.0700 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, 61) }
```

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

```
.background{ background-color: rgb(237, 0,  
61) }
```

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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