

Converting Colors

XYZ(36.8333, 18.8906, 6.1358)

Have a look what the booklet for
XYZ(36.8333, 18.8906, 6.1358)
contains.

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Color

**XYZ(36.7775, 18.8622,
6.1173)**

Conversions

Conversions Part 1

Format	Color
Hex	F0003D
RGB	240, 0, 61
RGB Percent	94%, 0%, 24%
CMY	0.0588, 0.9998, 0.7608
CMYK	0.00, 1.00, 0.75, 0.06
HSL	345°, 100%, 47%
HSV	345°, 100%, 94%
XYZ	36.7775, 18.8622, 6.1173
YIQ	78.7140, 123.4590, 69.8510

Conversions

Conversions Part 2

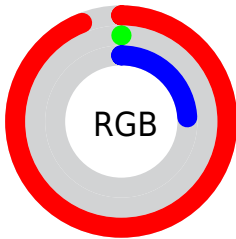
Format	Color
R_{YB}	240, 0, 61
Decimal	15728701
CIE _{Lab}	50.53, 77.60, 38.10
CIE _{LCh}	51, 86.449, 26.149
Yxy	18.8622, 0.5955, 0.3054
Android (android.graphics.Color)	4293918781 (0xFFFF0003D)
YUV	78.7140, -8.7330, 141.4478
Hunter-Lab	43.4306, 75.1520, 22.0503

Details

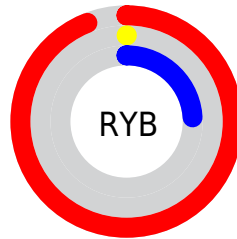
The XYZ color **36.7775, 18.8622, 6.1173** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **39.3034, 65.5772, 53.2658**, and the grayscale version is **7.3831, 7.7676, 8.4589**.

A 20% lighter version of the original color is **47.9495, 30.3481, 17.5179**, and **17.5731, 9.0457, 1.4359** is the 20% darker color. If you saturate the color by 10%, you get **36.7760, 18.8616, 6.1108**, and if you desaturate by 10%, it is **37.6707, 19.7441, 9.2046**.

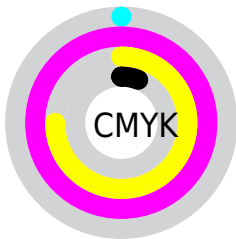
Distribution



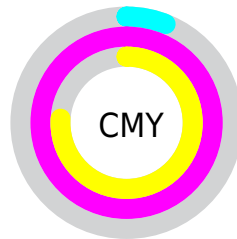
- Red (94%)
- Green (0%)
- Blue (24%)



- Red (94%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7775, 18.8622, 6.1173 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 36.7775, 18.8622, 6.1173 by changing the saturation by 10% instead.


 36.7775, 18.8622,
6.1173


 36.7775, 18.8622,
6.1173


323.7185,
245.6870, 169.4558


 25.2081, 11.5707,
2.8466


 69.5465, 41.5011,
18.6557


 16.3618, 6.4521,
1.0168


 91.4769, 57.6174,
28.7605

 9.8730, 3.1219,
0.0000


 117.5916, 77.4440,
41.9805

 5.3764, 1.1957,
0.0000

 148.2561,
101.3655, 58.7341

 2.5068, 0.0582,
0.0000

 183.8357,
129.7661, 79.4399

 0.8987, 0.0000,
0.0000

 224.6957,

 0.0000, 0.0000,

163.0303, 104.5164

0.0000

271.2015,
201.5424, 134.3822

■ 36.7775, 18.8622,
6.1173

■ 36.7775, 18.8622,
6.1173

■ 36.7760, 18.8616,
6.1108

■ 37.6707, 19.7441,
9.2046

■ 39.1432, 21.5036,
13.3503

■ 41.3343, 24.3990,
18.6644

■ 44.3307, 28.5850,
25.2333

■ 48.2060, 34.1917,
33.1343

■ 53.0252, 41.3332,
42.4382

■ 58.8470, 50.1122,
53.2105

■ 65.7254, 60.6221,
65.5125

■ 73.7100, 72.9495,
79.4018

Harmonies

Analogous

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



39.4605, 18.8622, 23.8169



36.7775, 18.8622, 6.1173



28.5618, 18.8622, 1.0749

Triad

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



36.7775, 18.8622, 6.1173



7.5519, 18.8622, 4.0106



16.8609, 18.8622, 110.4474

Complementary

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



36.7775, 18.8622, 6.1173



39.3034, 65.5772, 53.2658

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.



10.3277, 18.8622, 88.2814



36.7775, 18.8622, 6.1173



6.1282, 18.8622, 17.5743

Square

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



36.7775, 18.8622, 6.1173



11.6893, 18.8622, 0.6650



6.9564, 18.8622, 48.5542



26.0655, 18.8622, 96.7855

Rectangle

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



36.7775, 18.8622, 6.1173



22.0966, 18.8622, 0.2222



6.9564, 18.8622, 48.5542



14.3196, 18.8622, 106.6684

Sweetspot

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



36.7779, 18.8634, 6.1176



67.4450, 57.3741, 60.9030



33.6368, 15.5245, 83.6612



13.8015, 11.3198, 11.8734



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.



36.7779, 18.8634, 6.1176



42.1873, 21.6389, 6.9186



37.3517, 21.3582, 2.1556



15.9375, 15.8247, 17.2271



20.1771, 10.3433, 3.5834



1.7174, 0.8760, 0.5029

Inverse Universe

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



36.7779, 18.8634, 6.1176



42.1873, 21.6389, 6.9186



32.8722, 40.5783, 88.5374



15.9375, 15.8247, 17.2271



20.1771, 10.3433, 3.5834



1.7174, 0.8760, 0.5029

Previews

White Background



This preview shows how the XYZ color 36.7775, 18.8622, 6.1173 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 36.7775, 18.8622, 6.1173 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 36.7775, 18.8622, 6.1173

Background



This preview shows how black text looks on a background with the XYZ color 36.7775, 18.8622, 6.1173.



This preview shows how white text looks on a background with the XYZ color 36.7775, 18.8622,

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

36.7775, 18.8622, 6.1173

Protanopia

18.2514, 19.5171, 12.9304

Deuteranopia

19.7278, 19.3796, 5.4972



Tritanopia

36.0454, 19.0865, 2.3146

Trichromacy



Original Color

36.7775, 18.8622, 6.1173



Protanomaly

21.0042, 14.7008, 9.5151



Deuteranomaly

22.8585, 15.3449, 5.1253



Tritanomaly

36.0564, 18.8311, 3.1732

Monochromacy



Original Color

36.7775, 18.8622, 6.1173



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.7915, 8.1524, 7.0303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7775, 18.8622, 6.1173 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(240, 0, 61)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 0, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 61) }
```

Border

The CSS property to change the border of an element to XYZ 36.7775, 18.8622, 6.1173 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(240, 0, 61) }
```


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

```
.border{ border-color:rgb(240, 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(240, 0, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 61);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 61)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.7775, 18.8622, 6.1173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 61) }
```

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

```
.background{ background-color: rgb(240, 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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