

Converting Colors

XYZ(37.6720, 19.3088, 6.8163)

Have a look what the booklet for
XYZ(37.6720, 19.3088, 6.8163)
contains.

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Color

**XYZ(37.5721, 19.2589,
6.7381)**

Conversions

Conversions Part 1

Format	Color
Hex	F20041
RGB	242, 0, 65
RGB Percent	95%, 0%, 25%
CMY	0.0510, 0.9998, 0.7451
CMYK	0.00, 1.00, 0.73, 0.05
HSL	344°, 100%, 47%
HSV	344°, 100%, 95%
XYZ	37.5721, 19.2589, 6.7381
YIQ	79.7680, 123.3670, 71.5190

Conversions

Conversions Part 2

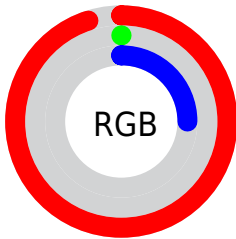
Format	Color
R_{YB}	242, 0, 65
Decimal	15859777
CIE _{Lab}	50.99, 78.21, 36.39
CIE _{LCh}	51, 86.261, 24.952
Yxy	19.2589, 0.5910, 0.3030
Android (android.graphics.Color)	4294049857 (0xFFFF20041)
YUV	79.7680, -7.2806, 142.2775
Hunter-Lab	43.8850, 76.0240, 21.6161

Details

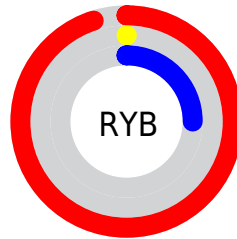
The XYZ color **37.5721, 19.2589, 6.7381** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **39.6945, 66.6810, 52.4052**, and the grayscale version is **7.5833, 7.9783, 8.6883**.

A 20% lighter version of the original color is **48.3128, 30.6367, 18.9899**, and **18.2861, 9.4090, 1.6629** is the 20% darker color. If you saturate the color by 10%, you get **37.5706, 19.2583, 6.7313**, and if you desaturate by 10%, it is **38.4997, 20.1612, 9.9863**.

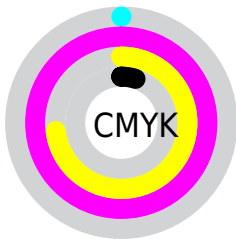
Distribution



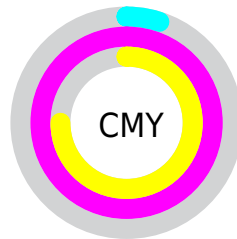
- Red (95%)
- Green (0%)
- Blue (25%)



- Red (95%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5721, 19.2589, 6.7381 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 37.5721, 19.2589, 6.7381 by changing the saturation by 10% instead.


 37.5721, 19.2589,
6.7381


 37.5721, 19.2589,
6.7381

327.0935,
247.8743, 175.0170


 25.8265, 11.8575,
3.2229


 70.7599, 42.1711,
19.9482

 16.8259, 6.6467,
1.2095


 92.9328, 58.4507,
30.4802


 10.2049, 3.2422,
0.0000


 119.3122, 78.4585,
44.1881

 5.5984, 1.2594,
0.0000

 150.2634,
102.5789, 61.4906

 2.6408, 0.1095,
0.0000

 186.1518,
131.1963, 82.8062

 0.9668, 0.0000,
0.0000

 227.3427,

 0.0000, 0.0000,

164.6951, 108.5535

0.0000

274.2015,
203.4596, 139.1509

■ 37.5721, 19.2589,
6.7381

■ 37.5721, 19.2589,
6.7381

■ 37.5706, 19.2583,
6.7313

■ 38.4997, 20.1612,
9.9863

■ 40.0137, 21.9570,
14.2899

■ 42.2548, 24.9085,
19.7557

■ 45.3106, 29.1733,
26.4677

■ 49.2556, 34.8840,
34.5009

■ 54.1554, 42.1568,
43.9243

■ 60.0695, 51.0961,
54.8015

■ 67.0521, 61.7972,
67.1922

■ 75.1538, 74.3481,
81.1526

Harmonies

Analogous

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



39.9926, 19.2589, 25.3819



37.5721, 19.2589, 6.7381



29.4350, 19.2589, 1.2302

Triad

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



37.5721, 19.2589, 6.7381



7.8913, 19.2589, 3.9059



16.8990, 19.2589, 111.2261

Complementary

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



37.5721, 19.2589, 6.7381



39.6945, 66.6810, 52.4052

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.



10.4076, 19.2589, 87.7462



37.5721, 19.2589, 6.7381



6.3438, 19.2589, 17.1009

Square

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



37.5721, 19.2589, 6.7381



12.2198, 19.2589, 0.6783



7.0958, 19.2589, 47.6908



26.1346, 19.2589, 98.9263

Rectangle

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



37.5721, 19.2589, 6.7381



22.9034, 19.2589, 0.3222



7.0958, 19.2589, 47.6908



14.3674, 19.2589, 106.9363

Sweetspot

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



37.5725, 19.2601, 6.7384



67.5728, 57.4252, 61.5759



33.3609, 15.3478, 85.2080



13.8311, 11.3317, 12.0291



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.



37.5725, 19.2601, 6.7384



42.2970, 21.6828, 7.4962



37.8676, 21.3764, 2.1320



15.9470, 15.8285, 17.2773



20.2318, 10.3651, 3.8712



1.7231, 0.8783, 0.5328

Inverse Universe

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



37.5725, 19.2601, 6.7384



42.2970, 21.6828, 7.4962



34.3502, 43.0562, 90.5041



15.9470, 15.8285, 17.2773



20.2318, 10.3651, 3.8712



1.7231, 0.8783, 0.5328

Previews

White Background



This preview shows how the XYZ color 37.5721, 19.2589, 6.7381 looks on a white background.

Color Contrast Check

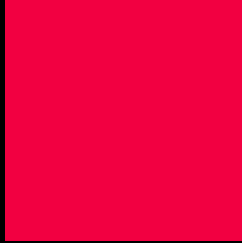
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.5721, 19.2589, 6.7381 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 37.5721, 19.2589, 6.7381

Background



This preview shows how black text looks on a background with the XYZ color 37.5721, 19.2589, 6.7381.



This preview shows how white text looks on a background with the XYZ color 37.5721, 19.2589,

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

37.5721, 19.2589, 6.7381

Protanopia

18.6007, 19.8543, 14.1612

Deuteranopia

20.1180, 19.7428, 5.9992



Tritanopia

36.7851, 19.5317, 2.4473

Trichromacy



Original Color

37.5721, 19.2589, 6.7381



Protanomaly

21.1587, 14.7626, 10.3286



Deuteranomaly

23.1949, 15.5073, 5.6416



Tritanomaly

36.7945, 19.2290, 3.4414

Monochromacy



Original Color

37.5721, 19.2589, 6.7381



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

13.1013, 8.3646, 7.5806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5721, 19.2589, 6.7381 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(242, 0, 65)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 65)  
}
```

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(242, 0, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 65) }
```

Border

The CSS property to change the border of an element to XYZ 37.5721, 19.2589, 6.7381 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(242, 0, 65) }
```


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

```
.border{ border-color:rgb(242, 0, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 0, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 65);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 65)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.5721, 19.2589, 6.7381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 65) }
```

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

```
.background{ background-color: rgb(242, 0,  
65) }
```

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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