

Converting Colors

XYZ(36.7409, 21.0566, 2.6649)

Have a look what the booklet for
XYZ(36.7409, 21.0566, 2.6649)
contains.

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Color

**XYZ(36.7752, 21.0460,
2.6543)**

Conversions

Conversions Part 1

Format	Color
Hex	EE3811
RGB	238, 56, 17
RGB Percent	93%, 22%, 7%
CMY	0.0667, 0.7803, 0.9333
CMYK	0.00, 0.76, 0.93, 0.07
HSL	11°, 87%, 50%
HSV	11°, 93%, 93%
XYZ	36.7752, 21.0460, 2.6543
YIQ	105.9720, 120.9910, 26.4550

Conversions

Conversions Part 2

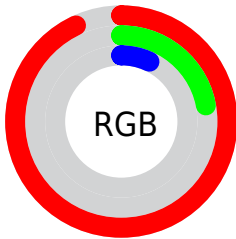
Format	Color
R_{YB}	238, 64, 17
Decimal	15611921
CIE Lab	53.00, 66.93, 60.97
CIE LCh	53, 90.539, 42.335
Yxy	21.0460, 0.6081, 0.3480
Android (android.graphics.Color)	4293802001 (0xFFEE3811)
YUV	105.9720, -43.8632, 115.7886
Hunter-Lab	45.8759, 62.8069, 28.6827

Details

The XYZ color **36.7752, 21.0460, 2.6543** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **36.0835, 47.1318, 88.0836**, and the grayscale version is **13.7870, 14.5050, 15.7959**.

A 20% lighter version of the original color is **48.6755, 34.4123, 9.7070**, and **17.0133, 8.7707, 0.7962** is the 20% darker color. If you saturate the color by 10%, you get **36.0881, 19.8340, 1.9263**, and if you desaturate by 10%, it is **38.2142, 23.4515, 4.5921**.

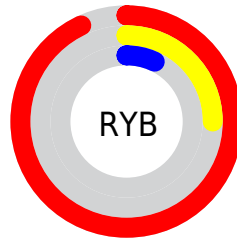
Distribution



Red (93%)

Green (22%)

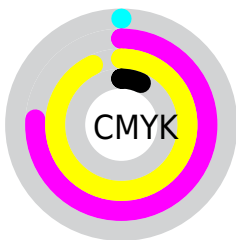
Blue (7%)



Red (93%)

Yellow (25%)

Blue (7%)

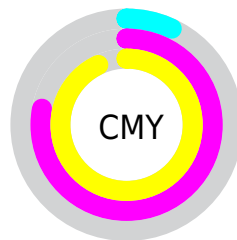


Cyan (0%)

Magenta (76%)

Yellow (93%)

Black (7%)



Cyan (7%)


Magenta (78%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7752, 21.0460, 2.6543 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 36.7752, 21.0460, 2.6543 by changing the saturation by 10% instead.

 36.7752, 21.0460,
2.6543


 36.7752, 21.0460,
2.6543


323.7087,
257.5229, 131.8280


 25.2064, 13.1576,
0.9203


 69.5430, 45.1641,
10.7628

 16.3604, 7.5372,
0.0000


 91.4726, 62.1626,
17.9750

 9.8720, 3.8003,
0.0000


 117.5866, 82.9666,
27.8506

 5.3758, 1.5625,
0.0000

 148.2503,
107.9605, 40.8081

 2.5064, 0.3321,
0.0000

 183.8289,
137.5286, 57.2660


 0.8985, 0.0000,
0.0000


 224.6880,


 0.0000, 0.0000,


172.0555, 77.6430


0.0000


 271.1928,
211.9254, 102.3574


 36.7752, 21.0460,
2.6543


 36.7752, 21.0460,
2.6543


 36.0881, 19.8340,
1.9263

 38.2142, 23.4515,
4.5921

 40.3135, 26.7767,
7.9843

 43.1468, 31.1065,
13.0499

 46.7771, 36.5147,
19.9705

 51.2603, 43.0681,
28.9040

■ 56.6472, 50.8279,
39.9914

■ 62.9845, 59.8510,
53.3609

■ 70.3155, 70.1906,
69.1305

■ 78.6811, 81.8967,
87.4103

Harmonies

Analogous

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



43.6842, 21.0460, 13.4575



36.7752, 21.0460, 2.6543



26.0753, 21.0460, 0.3572

Triad

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



36.7752, 21.0460, 2.6543



7.1575, 21.0460, 10.4231



24.1654, 21.0460, 121.4469

Complementary

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



36.7752, 21.0460, 2.6543



36.0835, 47.1318, 88.0836

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.



14.9562, 21.0460, 117.6585



36.7752, 21.0460, 2.6543



6.9381, 21.0460, 36.0076

Square

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



36.7752, 21.0460, 2.6543



10.0504, 21.0460, 1.9178



9.3100, 21.0460, 79.2956



35.0014, 21.0460, 87.4311

Rectangle

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



36.7752, 21.0460, 2.6543



19.2686, 21.0460, 0.0640



9.3100, 21.0460, 79.2956



20.7570, 21.0460, 125.0204

Sweetspot

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



36.7756, 21.0473, 2.6546



69.6360, 64.2763, 53.8642



46.0221, 22.8027, 57.3365



14.2433, 12.8132, 10.1408



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.



36.7756, 21.0473, 2.6546



42.1790, 23.1381, 2.2430



48.6958, 44.8877, 6.6280



15.9984, 16.2099, 16.4353



20.1992, 11.1964, 1.0965



1.7440, 1.0586, 0.1124

Inverse Universe

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



36.0835, 47.1318, 88.0836



41.0923, 53.3047, 102.7308



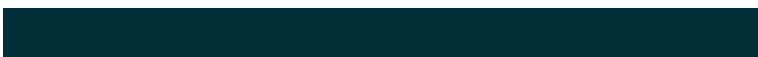
19.3763, 13.7175, 82.5146



15.9962, 17.4265, 20.2422



19.7067, 25.6376, 49.0378



1.7009, 2.2559, 4.1000

Previews

White Background



This preview shows how the XYZ color 36.7752, 21.0460, 2.6543 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 36.7752, 21.0460, 2.6543 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 36.7752, 21.0460, 2.6543

Background



This preview shows how black text looks on a background with the XYZ color 36.7752, 21.0460, 2.6543.



This preview shows how white text looks on a background with the XYZ color 36.7752, 21.0460,

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

36.7752, 21.0460, 2.6543

Protanopia

19.2204, 21.1397, 4.6575

Deuteranopia

21.3346, 21.1483, 2.9576



Tritanopia

37.5123, 21.1540, 5.4742

Trichromacy



Original Color

36.7752, 21.0460, 2.6543

Protanomaly

23.2234, 18.8562, 3.5142

Deuteranomaly

25.0466, 19.2539, 2.5686

Tritanomaly

37.2988, 21.1423, 4.1225

Monochromacy



Original Color

36.7752, 21.0460, 2.6543

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

18.0522, 14.3439, 8.2958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7752, 21.0460, 2.6543 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(238, 56, 17)` looks like.

```
.text, #text, p{  
    color:rgb(238, 56, 17)  
}
```

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(238, 56, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 56, 17) }
```

Border

The CSS property to change the border of an element to XYZ 36.7752, 21.0460, 2.6543 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(238, 56, 17) }
```


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

```
.border{ border-color:rgb(238, 56, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 56, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 56, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 56, 17);  
box-shadow:4px 4px 4px 4px rgb(238, 56,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7752, 21.0460, 2.6543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 56, 17) }
```

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

```
.background{ background-color: rgb(238, 56,  
17) }
```

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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