

Converting Colors

XYZ(36.9910, 22.0269, 2.6617)

Have a look what the booklet for
XYZ(36.9910, 22.0269, 2.6617)
contains.

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Color

**XYZ(36.9986, 22.0454,
2.6530)**

Conversions

Conversions Part 1

Format	Color
Hex	ED430C
RGB	237, 67, 12
RGB Percent	93%, 26%, 5%
CMY	0.0706, 0.7372, 0.9529
CMYK	0.00, 0.72, 0.95, 0.07
HSL	15°, 90%, 49%
HSV	15°, 95%, 93%
XYZ	36.9986, 22.0454, 2.6530
YIQ	111.5600, 118.9750, 18.9350

Conversions

Conversions Part 2

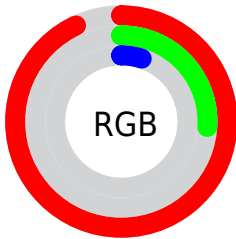
Format	Color
R_{YB}	237, 85, 12
Decimal	15549196
CIE _{Lab}	54.08, 63.03, 62.84
CIE _{LCh}	54, 89.002, 44.913
Yxy	22.0454, 0.5997, 0.3573
Android (android.graphics.Color)	4293739276 (0xFFED430C)
YUV	111.5600, -49.0831, 110.0109
Hunter-Lab	46.9525, 58.4911, 29.5167

Details

The XYZ color **36.9986, 22.0454, 2.6530** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **32.1637, 39.6446, 86.0771**, and the grayscale version is **15.3884, 16.1898, 17.6307**.

A 20% lighter version of the original color is **49.6170, 36.3446, 9.8689**, and **17.0133, 8.7707, 0.7962** is the 20% darker color. If you saturate the color by 10%, you get **36.4350, 21.0248, 2.1379**, and if you desaturate by 10%, it is **38.4808, 24.6141, 4.3683**.

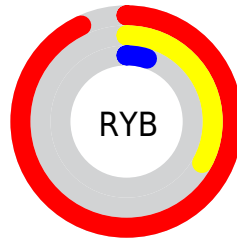
Distribution



Red (93%)

Green (26%)

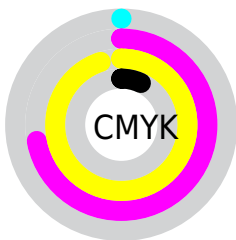
Blue (5%)



Red (93%)

Yellow (33%)

Blue (5%)

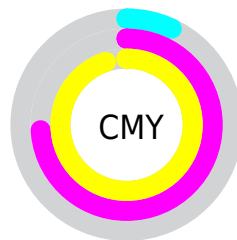


Cyan (0%)

Magenta (72%)

Yellow (95%)

Black (7%)



Cyan (7%)


Magenta (74%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9986, 22.0454, 2.6530 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 36.9986, 22.0454, 2.6530 by changing the saturation by 10% instead.

 36.9986, 22.0454,
2.6530


 36.9986, 22.0454,
2.6530


324.6601,
262.7833, 131.8104


 25.3801, 13.8903,
0.9196


 69.8845, 46.8210,
10.7595

 16.4907, 8.0444,
0.0000


 91.8825, 64.2103,
17.9703


 9.9651, 4.1234,
0.0000


 118.0712, 85.4464,
27.8443

 5.4379, 1.7428,
0.0000

 148.8157,
110.9137, 40.8000

 2.5438, 0.4511,
0.0000

 184.4815,
140.9967, 57.2559


 0.9174, 0.0000,
0.0000


 225.4339,


 0.0000, 0.0000,


176.0797, 77.6306


0.0000


 272.0383,
216.5471, 102.3426


 36.9986, 22.0454,
2.6530


 36.9986, 22.0454,
2.6530


 36.4350, 21.0248,
2.1379

 38.4808, 24.6141,
4.3683

 40.5574, 27.9898,
7.4577

 43.2946, 32.2395,
12.1456

 46.7481, 37.4214,
18.6150

 50.9673, 43.5883,
27.0238

■ 55.9968, 50.7890,
37.5126

■ 61.8779, 59.0687,
50.2087

■ 68.6487, 68.4701,
65.2290

■ 76.3450, 79.0336,
82.6824

Harmonies

Analogous

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



44.4324, 22.0454, 12.7767



36.9986, 22.0454, 2.6530



26.1540, 22.0454, 0.5103

Triad

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



36.9986, 22.0454, 2.6530



7.6750, 22.0454, 12.6742



26.0908, 22.0454, 120.4122

Complementary

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



36.9986, 22.0454, 2.6530



32.1637, 39.6446, 86.0771

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.



16.4925, 22.0454, 120.2894



36.9986, 22.0454, 2.6530



7.6675, 22.0454, 40.4066

Square

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



36.9986, 22.0454, 2.6530



10.4080, 22.0454, 2.6267



10.3829, 22.0454, 84.3126



36.9402, 22.0454, 84.5775

Rectangle

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



36.9986, 22.0454, 2.6530



19.4070, 22.0454, 0.3187



10.3829, 22.0454, 84.3126



22.5800, 22.0454, 125.1373

Sweetspot

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



36.9991, 22.0467, 2.6533



70.7496, 66.5035, 54.2354



43.7606, 21.7491, 47.5144



14.5028, 13.3321, 10.2273



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.



36.9991, 22.0467, 2.6533



42.9814, 24.7428, 2.5105



50.7134, 49.4754, 7.2248



15.3646, 15.6521, 15.7301



19.9783, 11.6509, 1.1959



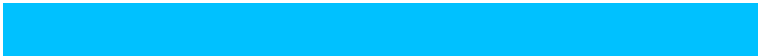
1.6424, 1.0621, 0.1184

Inverse Universe

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



32.1637, 39.6446, 86.0771



37.0439, 45.2079, 101.3813



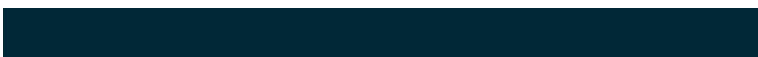
17.7552, 10.8276, 81.2743



15.1876, 16.4617, 19.2992



17.2608, 21.1686, 46.9192



1.4296, 1.8108, 3.7090

Previews

White Background



This preview shows how the XYZ color 36.9986, 22.0454, 2.6530 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 36.9986, 22.0454, 2.6530 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 36.9986, 22.0454, 2.6530

Background



This preview shows how black text looks on a background with the XYZ color 36.9986, 22.0454, 2.6530.



This preview shows how white text looks on a background with the XYZ color 36.9986, 22.0454,

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

36.9986, 22.0454, 2.6530

Protanopia

20.0710, 22.1700, 4.4497

Deuteranopia

22.3928, 22.0584, 3.0775



Tritanopia

37.9915, 22.1138, 7.2670

Trichromacy



Original Color

36.9986, 22.0454, 2.6530

Protanomaly

24.0028, 20.1610, 3.4370

Deuteranomaly

26.3580, 20.7856, 2.7377

Tritanomaly

37.5864, 22.0412, 4.8581

Monochromacy



Original Color

36.9986, 22.0454, 2.6530

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

19.3920, 16.0556, 8.9145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9986, 22.0454, 2.6530 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, 67, 12)` looks like.

```
.text, #text, p{  
    color:rgb(237, 67, 12)  
}
```

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, 67, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 67, 12) }
```

Border

The CSS property to change the border of an element to XYZ 36.9986, 22.0454, 2.6530 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, 67, 12) }
```


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

```
.border{ border-color:rgb(237, 67, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 67, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 67, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 67, 12);  
box-shadow:4px 4px 4px 4px rgb(237, 67,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9986, 22.0454, 2.6530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 67, 12) }
```

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

```
.background{ background-color: rgb(237, 67,  
12) }
```

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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