

Converting Colors

XYZ(36.1431, 21.3046, 3.2546)

Have a look what the booklet for
XYZ(36.1431, 21.3046, 3.2546)
contains.

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Color

**XYZ(36.2922, 21.4081,
3.2563)**

Conversions

Conversions Part 1

Format	Color
Hex	EB401B
RGB	235, 64, 27
RGB Percent	92%, 25%, 11%
CMY	0.0784, 0.7490, 0.8941
CMYK	0.00, 0.73, 0.89, 0.08
HSL	11°, 84%, 51%
HSV	11°, 89%, 92%
XYZ	36.2922, 21.4081, 3.2563
YIQ	110.9110, 113.7930, 24.7450

Conversions

Conversions Part 2

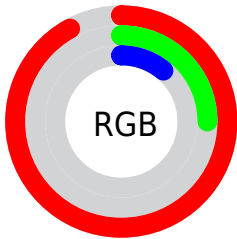
Format	Color
R_{YB}	235, 72, 27
Decimal	15417371
CIE Lab	53.39, 63.63, 57.56
CIE LCh	53, 85.805, 42.134
Yxy	21.4081, 0.5954, 0.3512
Android (android.graphics.Color)	4293607451 (0xFFEB401B)
YUV	110.9110, -41.3681, 108.8261
Hunter-Lab	46.2689, 59.0405, 28.2155

Details

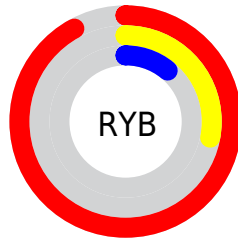
The XYZ color **36.2922, 21.4081, 3.2563** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **35.6388, 46.6141, 85.7157**, and the grayscale version is **15.1782, 15.9686, 17.3898**.

A 20% lighter version of the original color is **49.6625, 35.9617, 11.3450**, and **16.5776, 8.5460, 0.7758** is the 20% darker color. If you saturate the color by 10%, you get **35.2066, 19.5232, 2.0133**, and if you desaturate by 10%, it is **37.9660, 24.1340, 5.7320**.

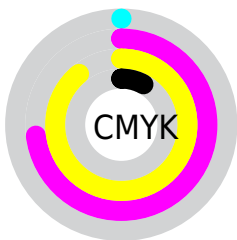
Distribution



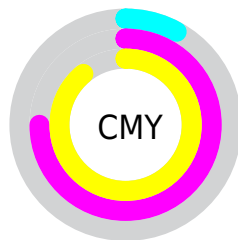
- Red (92%)
- Green (25%)
- Blue (11%)



- Red (92%)
- Yellow (28%)
- Blue (11%)



- Cyan (0%)
- Magenta (73%)
- Yellow (89%)
- Black (8%)





- Cyan (8%)
- Magenta (75%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2922, 21.4081, 3.2563 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 36.2922, 21.4081, 3.2563 by changing the saturation by 10% instead.

 36.2922, 21.4081,
3.2563


 36.2922, 21.4081,
3.2563


321.6449,
259.4394, 139.5609

 24.8311, 13.4226,
1.2269


 68.8038, 45.7657,
12.2546

 16.0793, 7.7202,
0.0008


 90.5849, 62.9067,
20.0606

 9.6715, 3.9164,
0.0000


 116.5368, 83.8683,
30.6292

 5.2423, 1.6269,
0.0000

 147.0248,
109.0349, 44.3791

 2.4263, 0.3757,
0.0000

 182.4143,
138.7909, 61.7286


 0.8583, 0.0000,
0.0000


 223.0706,


 0.0000, 0.0000,


173.5208, 83.0964


0.0000


 269.3590,
213.6088, 108.9010


 36.2922, 21.4081,
3.2563


 36.2922, 21.4081,
3.2563


 35.2066, 19.5232,
2.0133


 37.9660, 24.1340,
5.7320

 35.0821, 19.3049,
1.8772

 40.3122, 27.7874,
9.7177

 43.3974, 32.4457,
15.4076

 47.2791, 38.1768,
22.9667

 52.0090, 45.0428,
32.5399

■ 57.6344, 53.1007,
44.2583

■ 64.1990, 62.4037,
58.2415

■ 71.7434, 73.0020,
74.6004

■ 80.3061, 84.9427,
93.4385

Harmonies

Analogous

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



42.7182, 21.4081, 14.2773



36.2922, 21.4081, 3.2563



26.2067, 21.4081, 0.7264

Triad

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



36.2922, 21.4081, 3.2563



7.8173, 21.4081, 11.0609



24.2551, 21.4081, 114.7527

Complementary

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



36.2922, 21.4081, 3.2563



35.6388, 46.6141, 85.7157

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.



15.4344, 21.4081, 111.0373



36.2922, 21.4081, 3.2563



7.5803, 21.4081, 35.5206

Square

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



36.2922, 21.4081, 3.2563



10.7158, 21.4081, 2.3919



9.9284, 21.4081, 75.7380



34.5015, 21.4081, 83.7866

Rectangle

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



36.2922, 21.4081, 3.2563



19.7026, 21.4081, 0.4413



9.9284, 21.4081, 75.7380



21.0069, 21.4081, 117.9233

Sweetspot

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



36.2927, 21.4094, 3.2566



70.4048, 65.3833, 55.4475



45.1170, 22.6317, 56.8383



14.5343, 13.2320, 10.7407



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.



36.2927, 21.4094, 3.2566



42.1927, 23.1655, 2.2476



48.0343, 44.8926, 7.1705



15.2822, 15.4874, 15.7026



19.5901, 10.8745, 1.0665



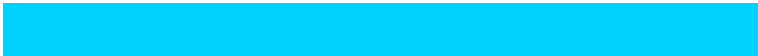
1.6007, 0.9787, 0.1045

Inverse Universe

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



35.6388, 46.6141, 85.7157



41.0043, 53.1286, 102.7014



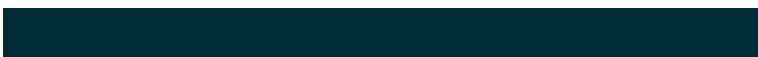
19.6608, 14.6580, 80.3897



15.2765, 16.6394, 19.3288



19.0669, 24.7807, 47.5212



1.5568, 2.0651, 3.7514

Previews

White Background



This preview shows how the XYZ color 36.2922, 21.4081, 3.2563 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 36.2922, 21.4081, 3.2563 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 36.2922, 21.4081, 3.2563

Background



This preview shows how black text looks on a background with the XYZ color 36.2922, 21.4081, 3.2563.



This preview shows how white text looks on a background with the XYZ color 36.2922, 21.4081,

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

36.2922, 21.4081, 3.2563

Protanopia

19.4829, 21.4524, 5.3994

Deuteranopia

21.7377, 21.3561, 2.9764



Tritanopia

37.0774, 21.4124, 6.7362

Trichromacy



Original Color

36.2922, 21.4081, 3.2563

Protanomaly

23.2900, 19.4668, 4.2802

Deuteranomaly

25.5982, 19.9551, 2.7897

Tritanomaly

36.8152, 21.3921, 5.0944

Monochromacy



Original Color

36.2922, 21.4081, 3.2563

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

19.1610, 15.6525, 9.6008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2922, 21.4081, 3.2563 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(235, 64, 27)` looks like.

```
.text, #text, p{  
    color:rgb(235, 64, 27)  
}
```

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(235, 64, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 64, 27) }
```

Border

The CSS property to change the border of an element to XYZ 36.2922, 21.4081, 3.2563 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(235, 64, 27) }
```


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

```
.border{ border-color:rgb(235, 64, 27) }
```

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

Here you see how a box with a 4 pixel rgb(235, 64, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 64, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 64, 27);  
box-shadow:4px 4px 4px 4px rgb(235, 64,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2922, 21.4081, 3.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 64, 27) }
```

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

```
.background{ background-color: rgb(235, 64,  
27) }
```

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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