

Converting Colors

XYZ(37.5723, 25.2906, 4.2865)

Have a look what the booklet for
XYZ(37.5723, 25.2906, 4.2865)
contains.

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Color

**XYZ(37.5421, 25.2655,
4.2645)**

Conversions

Conversions Part 1

Format	Color
Hex	E85E20
RGB	232, 94, 32
RGB Percent	91%, 37%, 13%
CMY	0.0902, 0.6313, 0.8745
CMYK	0.00, 0.59, 0.86, 0.09
HSL	19°, 81%, 52%
HSV	19°, 86%, 91%
XYZ	37.5421, 25.2655, 4.2645
YIQ	128.1940, 102.1500, 9.9740

Conversions

Conversions Part 2

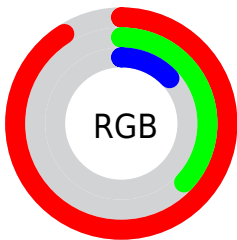
Format	Color
R_{YB}	232, 122, 32
Decimal	15228448
CIE Lab	57.33, 50.77, 58.52
CIE LCh	57, 77.468, 49.057
Yxy	25.2655, 0.5597, 0.3767
Android (android.graphics.Color)	4293418528 (0xFFE85E20)
YUV	128.1940, -47.4236, 91.0379
Hunter-Lab	50.2648, 45.3558, 30.1552

Details

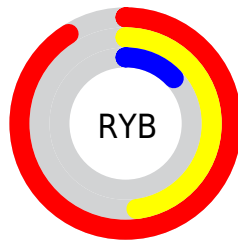
The XYZ color **37.5421, 25.2655, 4.2645** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **29.5343, 34.8796, 81.5191**, and the grayscale version is **20.7210, 21.8001, 23.7403**.

A 20% lighter version of the original color is **53.4301, 43.0799, 13.8867**, and **16.8416, 9.7111, 0.9868** is the 20% darker color. If you saturate the color by 10%, you get **36.0512, 22.6240, 2.7195**, and if you desaturate by 10%, it is **39.5505, 28.5887, 7.0734**.

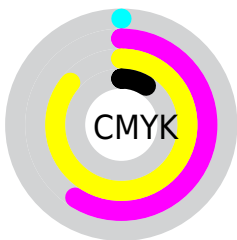
Distribution



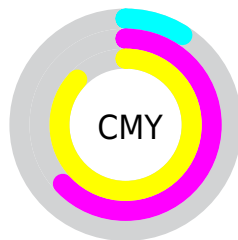
- Red (91%)
- Green (37%)
- Blue (13%)



- Red (91%)
- Yellow (48%)
- Blue (13%)



- Cyan (0%)
- Magenta (59%)
- Yellow (86%)
- Black (9%)





- Cyan (9%)
- Magenta (63%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5421, 25.2655, 4.2645 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 37.5421, 25.2655, 4.2645 by changing the saturation by 10% instead.

 37.5421, 25.2655,
4.2645


 37.5421, 25.2655,
4.2645


326.9665,
279.1576, 151.1214


 25.8031, 16.2750,
1.7715


 70.7142, 52.0876,
14.6153

 16.8083, 9.7189,
0.4091


 92.8780, 70.6880,
23.3103

 10.1924, 5.2130,
0.0000


 119.2474, 93.2604,
34.9096

 5.5899, 2.3728,
0.0000

 150.1878,
120.1894, 49.8319

 2.6356, 0.8118,
0.0000

 186.0646,
151.8591, 68.4957

 0.9642, 0.0000,
0.0000

 227.2431,

 0.0000, 0.0000,

188.6542, 91.3195

0.0000

274.0886,
230.9589, 118.7219

37.5421, 25.2655,
4.2645

37.5421, 25.2655,
4.2645

36.0512, 22.6240,
2.7195

39.5505, 28.5887,
7.0734

35.5912, 21.7812,
2.3283

42.1318, 32.6391,
11.3628

45.3344, 37.4620,
17.3085

49.2006, 43.0976,
25.0611

53.7684, 49.5829,
34.7540

■ 59.0728, 56.9526,
46.5081

■ 65.1464, 65.2393,
60.4343

■ 72.0197, 74.4738,
76.6352

■ 79.7214, 84.6856,
95.2074

Harmonies

Analogous

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



44.8671, 25.2655, 14.0823



37.5421, 25.2655, 4.2645



27.5242, 25.2655, 1.7401

Triad

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



37.5421, 25.2655, 4.2645



10.5156, 25.2655, 18.9839



30.2526, 25.2655, 108.3269

Complementary

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



37.5421, 25.2655, 4.2645



29.5343, 34.8796, 81.5191

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.



20.8159, 25.2655, 113.0105



37.5421, 25.2655, 4.2645



10.8929, 25.2655, 47.5431

Square

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



37.5421, 25.2655, 4.2645



12.9939, 25.2655, 5.8974



14.2026, 25.2655, 86.1099



39.9722, 25.2655, 75.7315

Rectangle

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



37.5421, 25.2655, 4.2645



21.3406, 25.2655, 1.6946



14.2026, 25.2655, 86.1099



26.9021, 25.2655, 113.7536

Sweetspot

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



37.5427, 25.2669, 4.2649



73.2560, 70.6476, 57.7489



41.2414, 21.1673, 40.9417



15.1667, 14.4131, 11.2097



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.



37.5427, 25.2669, 4.2649



44.0403, 26.8607, 2.8634



52.3887, 54.9591, 9.2136



14.7397, 15.0933, 15.0409



19.8575, 12.2892, 1.3255



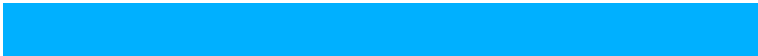
1.5478, 1.0688, 0.1247

Inverse Universe

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



29.5343, 34.8796, 81.5191



33.5635, 38.2470, 100.2212



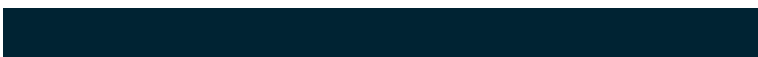
17.4785, 10.7681, 77.5005



14.4107, 15.5428, 18.3849



15.1887, 17.4396, 44.9488



1.2041, 1.4522, 3.3488

Previews

White Background



This preview shows how the XYZ color 37.5421, 25.2655, 4.2645 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 37.5421, 25.2655, 4.2645 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 37.5421, 25.2655, 4.2645

Background



This preview shows how black text looks on a background with the XYZ color 37.5421, 25.2655, 4.2645.



This preview shows how white text looks on a background with the XYZ color 37.5421, 25.2655,

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

37.5421, 25.2655, 4.2645

Protanopia

23.0421, 25.3199, 5.9583

Deuteranopia

25.7955, 25.3466, 3.5328



Tritanopia

39.3972, 25.2622, 13.1556

Trichromacy



Original Color

37.5421, 25.2655, 4.2645

Protanomaly

26.8542, 24.1328, 5.1622

Deuteranomaly

29.3097, 24.7192, 3.5743

Tritanomaly

38.3978, 25.0909, 8.7805

Monochromacy



Original Color

37.5421, 25.2655, 4.2645

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.9471, 21.3881, 13.2221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5421, 25.2655, 4.2645 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(232, 94, 32)` looks like.

```
.text, #text, p{  
    color:rgb(232, 94, 32)  
}
```

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(232, 94, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 94, 32) }
```

Border

The CSS property to change the border of an element to XYZ 37.5421, 25.2655, 4.2645 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(232, 94, 32) }
```


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

```
.border{ border-color:rgb(232, 94, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 94, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 94, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 94, 32);  
box-shadow:4px 4px 4px 4px rgb(232, 94,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5421, 25.2655, 4.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 94, 32) }
```

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

```
.background{ background-color: rgb(232, 94,  
32) }
```

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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