

Converting Colors

XYZ(40.1284, 25.5064, 4.0909)

Have a look what the booklet for
XYZ(40.1284, 25.5064, 4.0909)
contains.

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Color

**XYZ(40.1138, 25.4732,
4.0989)**

Conversions

Conversions Part 1

Format	Color
Hex	F2551F
RGB	242, 85, 31
RGB Percent	95%, 33%, 12%
CMY	0.0510, 0.6666, 0.8784
CMYK	0.00, 0.65, 0.87, 0.05
HSL	15°, 89%, 54%
HSV	15°, 87%, 95%
XYZ	40.1138, 25.4732, 4.0989
YIQ	125.7870, 110.9060, 16.4900

Conversions

Conversions Part 2

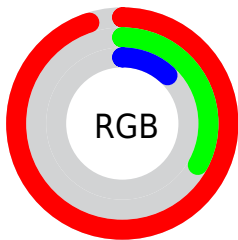
Format	Color
R_{YB}	242, 104, 31
Decimal	15881503
CIE _{Lab}	57.53, 58.09, 59.75
CIE _{LCh}	58, 83.339, 45.806
Yxy	25.4732, 0.5756, 0.3655
Android (android.graphics.Color)	4294071583 (0xFFFF2551F)
YUV	125.7870, -46.7300, 101.9188
Hunter-Lab	50.4710, 53.5457, 30.5146

Details

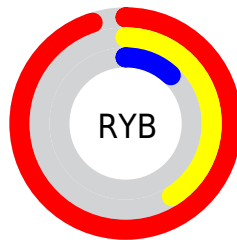
The XYZ color **40.1138, 25.4732, 4.0989** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **34.5732, 42.6645, 90.4167**, and the grayscale version is **19.8875, 20.9231, 22.7853**.

A 20% lighter version of the original color is **52.2879, 40.9189, 13.1249**, and **18.3816, 9.8474, 0.9319** is the 20% darker color. If you saturate the color by 10%, you get **38.6624, 22.9069, 2.5791**, and if you desaturate by 10%, it is **42.1640, 28.8586, 6.9878**.

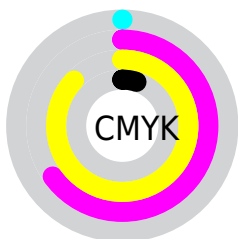
Distribution



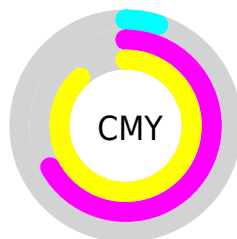
- Red (95%)
- Green (33%)
- Blue (12%)



- Red (95%)
- Yellow (41%)
- Blue (12%)



- Cyan (0%)
- Magenta (65%)
- Yellow (87%)
- Black (5%)





- Cyan (5%)
- Magenta (67%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1138, 25.4732, 4.0989 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 40.1138, 25.4732, 4.0989 by changing the saturation by 10% instead.


 40.1138, 25.4732,
4.0989


 40.1138, 25.4732,
4.0989


337.7292,
280.1864, 149.3184


 27.8119, 16.4300,
1.6798


 74.6200, 52.4239,
14.2372

 18.3236, 9.8289,
0.3468


 97.5550, 71.1001,
22.7935

 11.2837, 5.2857,
0.0000


 124.7651, 93.7560,
34.2325

 6.3267, 2.4158,
0.0000

 156.6156,
120.7762, 48.9729

 3.0873, 0.8340,
0.0000

 193.4720,
152.5449, 67.4331


 1.2001, 0.0000,
0.0000

 235.6994,


 0.1064, 0.0000,


189.4466, 90.0317


0.0000


 283.6634,
231.8656, 117.1873


 0.0000, 0.0000,
0.0000


 40.1138, 25.4732,
4.0989


 40.1138, 25.4732,
4.0989


 38.6624, 22.9069,
2.5791


 42.1640, 28.8586,
6.9878

 38.3373, 22.3163,
2.2869

 44.8836, 33.1275,
11.5026

 48.3327, 38.3416,
17.8441

 52.5634, 44.5553,
26.1833

 57.6227, 51.8189,
36.6714

63.5537, 60.1789,
49.4449

70.3964, 69.6789,
64.6289

78.1883, 80.3604,
82.3394

86.9647, 92.2625,
102.6849

Harmonies

Analogous

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



47.6286, 25.4732, 15.3460



40.1138, 25.4732, 4.0989



29.2028, 25.4732, 1.3237

Triad

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



40.1138, 25.4732, 4.0989



10.0150, 25.4732, 16.3700



29.7950, 25.4732, 120.6671

Complementary

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



40.1138, 25.4732, 4.0989



34.5732, 42.6645, 90.4167

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.



19.8240, 25.4732, 121.7319



40.1138, 25.4732, 4.0989



10.0924, 25.4732, 45.4610

Square

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



40.1138, 25.4732, 4.0989



12.9376, 25.4732, 4.4107



13.1895, 25.4732, 88.3383



40.6483, 25.4732, 86.0030

Rectangle

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



40.1138, 25.4732, 4.0989



22.3304, 25.4732, 1.1492



13.1895, 25.4732, 88.3383



26.1954, 25.4732, 125.4938

Sweetspot

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



40.1144, 25.4747, 4.0993



72.3849, 68.9053, 57.4585



46.3202, 23.5422, 50.3892



14.9638, 14.0073, 11.1421



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.



40.1144, 25.4747, 4.0993



43.1459, 25.0719, 2.5653



55.1164, 55.4788, 9.1000



16.1016, 16.4164, 16.4698



20.6878, 12.1737, 1.2594



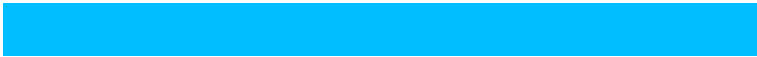
1.7984, 1.1675, 0.1306

Inverse Universe

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



34.5732, 42.6645, 90.4167



36.4046, 43.9292, 101.1682



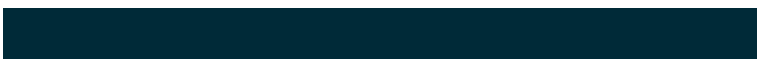
19.7431, 13.0042, 85.4733



15.8849, 17.2040, 20.2051



17.4994, 21.2229, 48.3020



1.5350, 1.9241, 4.0447

Previews

White Background



This preview shows how the XYZ color 40.1138, 25.4732, 4.0989 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 40.1138, 25.4732, 4.0989 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 40.1138, 25.4732, 4.0989

Background



This preview shows how black text looks on a background with the XYZ color 40.1138, 25.4732, 4.0989.



This preview shows how white text looks on a background with the XYZ color 40.1138, 25.4732,

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

40.1138, 25.4732, 4.0989

Protanopia

23.2048, 25.6156, 6.1042

Deuteranopia

25.7955, 25.3466, 3.5328



Tritanopia

41.7771, 25.6105, 11.1289

Trichromacy



Original Color

40.1138, 25.4732, 4.0989

Protanomaly

27.4566, 23.9049, 5.0865

Deuteranomaly

29.6309, 24.2009, 3.4261

Tritanomaly

40.9336, 25.4709, 7.7600

Monochromacy



Original Color

40.1138, 25.4732, 4.0989

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

23.7212, 20.4490, 12.5943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1138, 25.4732, 4.0989 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, 85, 31)` looks like.

```
.text, #text, p{  
    color:rgb(242, 85, 31)  
}
```

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, 85, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 85, 31) }
```

Border

The CSS property to change the border of an element to XYZ 40.1138, 25.4732, 4.0989 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, 85, 31) }
```


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

```
.border{ border-color:rgb(242, 85, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 85, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 85, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 85, 31);  
box-shadow:4px 4px 4px 4px rgb(242, 85,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1138, 25.4732, 4.0989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 85, 31) }
```

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

```
.background{ background-color: rgb(242, 85,  
31) }
```

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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