

Converting Colors

XYZ(40.2416, 25.4279, 4.6418)

Have a look what the booklet for
XYZ(40.2416, 25.4279, 4.6418)
contains.

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Color

**XYZ(40.1381, 25.3578,
4.6128)**

Conversions

Conversions Part 1

Format	Color
Hex	F25426
RGB	242, 84, 38
RGB Percent	95%, 33%, 15%
CMY	0.0510, 0.6705, 0.8510
CMYK	0.00, 0.65, 0.84, 0.05
HSL	14°, 89%, 55%
HSV	14°, 84%, 95%
XYZ	40.1381, 25.3578, 4.6128
YIQ	125.9980, 108.9340, 19.1900

Conversions

Conversions Part 2

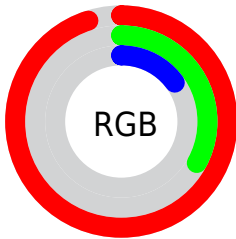
Format	Color
R_{YB}	242, 97, 38
Decimal	15881254
CIE _{Lab}	57.42, 58.65, 56.87
CIE _{LCh}	57, 81.694, 44.117
Yxy	25.3578, 0.5725, 0.3617
Android (android.graphics.Color)	4294071334 (0xFFFF25426)
YUV	125.9980, -43.3830, 101.7338
Hunter-Lab	50.3565, 54.1546, 29.8184

Details

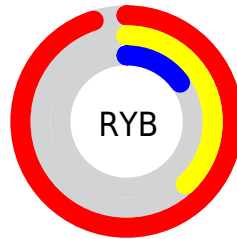
The XYZ color **40.1381, 25.3578, 4.6128** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **36.5642, 46.2987, 91.0131**, and the grayscale version is **19.9488, 20.9876, 22.8555**.

A 20% lighter version of the original color is **52.3795, 40.7207, 14.3317**, and **18.3319, 9.7480, 0.9154** is the 20% darker color. If you saturate the color by 10%, you get **38.6013, 22.7197, 2.7593**, and if you desaturate by 10%, it is **42.3183, 28.8784, 7.9302**.

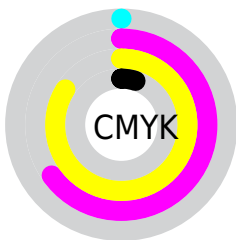
Distribution



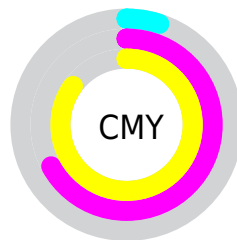
- Red (95%)
- Green (33%)
- Blue (15%)



- Red (95%)
- Yellow (38%)
- Blue (15%)



- Cyan (0%)
- Magenta (65%)
- Yellow (84%)
- Black (5%)





- Cyan (5%)
- Magenta (67%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1381, 25.3578, 4.6128 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 40.1381, 25.3578, 4.6128 by changing the saturation by 10% instead.


 40.1381, 25.3578,
4.6128


 40.1381, 25.3578,
4.6128


337.8297,
279.6152, 154.8109


 27.8309, 16.3438,
1.9672


 74.6568, 52.2371,
15.4001


 18.3381, 9.7678,
0.5350


 97.5990, 70.8712,
24.3788


 11.2941, 5.2453,
0.0000


 124.8169, 93.4808,
36.3057

 6.3338, 2.3919,
0.0000

 156.6759,
120.4503, 51.5992

 3.0917, 0.8217,
0.0000

 193.5413,
152.1641, 70.6780

 1.2024, 0.0000,
0.0000

 235.7785,

 0.1083, 0.0000,

189.0066, 93.9605

0.0000

283.7529,
231.3621, 121.8653

■ 0.0000, 0.0000,
0.0000

■ 40.1381, 25.3578,
4.6128

■ 40.1381, 25.3578,
4.6128

■ 38.6013, 22.7197,
2.7593

■ 42.3183, 28.8784,
7.9302

■ 37.9639, 21.5696,
2.1624

■ 45.2112, 33.3507,
12.9437

■ 48.8777, 38.8414,
19.8453

■ 53.3713, 45.4096,
28.8005

■ 58.7406, 53.1100,
39.9570

65.0303, 61.9932,
53.4483

72.2818, 72.1068,
69.3976

80.5342, 83.4958,
87.9192

89.6947, 96.1511,
108.4394

Harmonies

Analogous

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



47.1122, 25.3578, 16.5171



40.1381, 25.3578, 4.6128



29.5791, 25.3578, 1.5067

Triad

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



40.1381, 25.3578, 4.6128



10.2381, 25.3578, 15.4130



28.9469, 25.3578, 118.6620

Complementary

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



40.1381, 25.3578, 4.6128



36.5642, 46.2987, 91.0131

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.



19.3462, 25.3578, 117.5386



40.1381, 25.3578, 4.6128



10.1542, 25.3578, 42.8078

Square

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



40.1381, 25.3578, 4.6128



13.3038, 25.3578, 4.2684



13.0320, 25.3578, 84.0408



39.5694, 25.3578, 86.5111

Rectangle

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



40.1381, 25.3578, 4.6128



22.7865, 25.3578, 1.2492



13.0320, 25.3578, 84.0408



25.4669, 25.3578, 122.6077

Sweetspot

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



40.1387, 25.3593, 4.6132



72.6533, 68.9962, 58.9229



47.4808, 24.3314, 55.4990



14.9969, 13.9883, 11.4159



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.



40.1387, 25.3593, 4.6132



42.7285, 24.2370, 2.4262



54.1496, 53.3812, 9.2835



16.0619, 16.3370, 16.4565



20.4786, 11.7553, 1.1896



1.7760, 1.1227, 0.1231

Inverse Universe

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



36.5642, 46.2987, 91.0131



38.1275, 47.3750, 101.7425



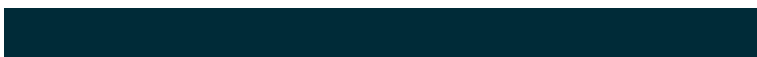
20.9911, 15.1524, 85.8221



15.9274, 17.2890, 20.2192



18.3115, 22.8472, 48.5727



1.5965, 2.0470, 4.0652

Previews

White Background



This preview shows how the XYZ color 40.1381, 25.3578, 4.6128 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 40.1381, 25.3578, 4.6128 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 40.1381, 25.3578, 4.6128

Background



This preview shows how black text looks on a background with the XYZ color 40.1381, 25.3578, 4.6128.



This preview shows how white text looks on a background with the XYZ color 40.1381, 25.3578,

4.6128.

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

40.1381, 25.3578, 4.6128

Protanopia

23.1789, 25.5832, 6.9652

Deuteranopia

25.8890, 25.3840, 4.0253



Tritanopia

41.3195, 25.2712, 10.8837

Trichromacy



Original Color

40.1381, 25.3578, 4.6128

Protanomaly

27.3596, 23.8380, 5.8485

Deuteranomaly

29.7354, 24.2427, 3.9762

Tritanomaly

40.9177, 25.3448, 8.0456

Monochromacy



Original Color

40.1381, 25.3578, 4.6128

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

23.8533, 20.5019, 13.2897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1381, 25.3578, 4.6128 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, 84, 38)` looks like.

```
.text, #text, p{  
    color:rgb(242, 84, 38)  
}
```

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, 84, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 84, 38) }
```

Border

The CSS property to change the border of an element to XYZ 40.1381, 25.3578, 4.6128 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, 84, 38) }
```


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

```
.border{ border-color:rgb(242, 84, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 84, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 84, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 84, 38);  
box-shadow:4px 4px 4px 4px rgb(242, 84,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1381, 25.3578, 4.6128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 84, 38) }
```

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

```
.background{ background-color: rgb(242, 84,  
38) }
```

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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