

Converting Colors

XYZ(40.8080, 24.9612, 5.0981)

Have a look what the booklet for
XYZ(40.8080, 24.9612, 5.0981)
contains.

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Color

**XYZ(40.7647, 24.9021,
5.0409)**

Conversions

Conversions Part 1

Format	Color
Hex	F54D2C
RGB	245, 77, 44
RGB Percent	96%, 30%, 17%
CMY	0.0392, 0.6980, 0.8274
CMYK	0.00, 0.69, 0.82, 0.04
HSL	10°, 91%, 57%
HSV	10°, 82%, 96%
XYZ	40.7647, 24.9021, 5.0409
YIQ	123.4700, 110.7210, 25.3530

Conversions

Conversions Part 2

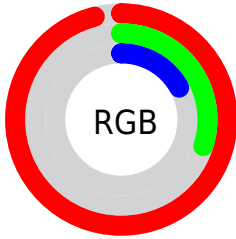
Format	Color
RYB	245, 83, 44
Decimal	16076076
CIELab	56.98, 62.50, 54.01
CIELCh	57, 82.604, 40.834
Yxy	24.9021, 0.5765, 0.3522
Android (android.graphics.Color)	4294266156 (0xFFF54D2C)
YUV	123.4700, -39.1787, 106.5818
Hunter-Lab	49.9020, 58.4873, 28.9422

Details

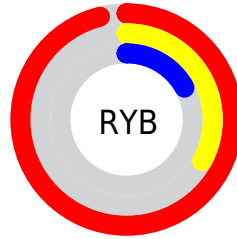
The XYZ color **40.7647, 24.9021, 5.0409** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **41.0607, 54.2093, 94.6849**, and the grayscale version is **19.0836, 20.0775, 21.8644**.

A 20% lighter version of the original color is **51.7409, 39.1005, 15.1760**, and **18.8224, 9.7033, 0.8809** is the 20% darker color. If you saturate the color by 10%, you get **39.2180, 22.3416, 2.8841**, and if you desaturate by 10%, it is **43.0346, 28.4757, 8.7775**.

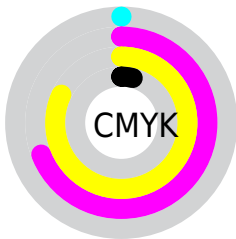
Distribution



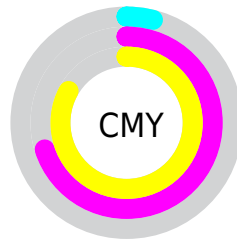
- Red (96%)
- Green (30%)
- Blue (17%)



- Red (96%)
- Yellow (33%)
- Blue (17%)



- Cyan (0%)
- Magenta (69%)
- Yellow (82%)
- Black (4%)





- Cyan (4%)
- Magenta (70%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7647, 24.9021, 5.0409 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 40.7647, 24.9021, 5.0409 by changing the saturation by 10% instead.


 40.7647, 24.9021,
5.0409


 40.7647, 24.9021,
5.0409


340.4156,
277.3500, 159.1743


 28.3221, 16.0041,
2.2121


 75.6035, 51.4984,
16.3470


 18.7103, 9.5271,
0.6813


 98.7305, 69.9654,
25.6613


 11.5639, 5.0865,
0.0000


 126.1497, 92.3910,
37.9747

 6.5176, 2.2981,
0.0000

 158.2264,
119.1595, 53.7055

 3.2059, 0.7727,
0.0000

 195.3260,
150.6552, 73.2723

 1.2636, 0.0000,
0.0000

 237.8138,

 0.1557, 0.0000,

187.2626, 97.0937

0.0000

286.0552,
229.3661, 125.5882

■ 0.0000, 0.0000,
0.0000

■ 40.7647, 24.9021,
5.0409

■ 40.7647, 24.9021,
5.0409

■ 39.2180, 22.3416,
2.8841

■ 43.0346, 28.4757,
8.7775


■ 38.4227, 20.9459,
2.0179


■ 46.1059, 33.1511,
14.3249


■ 50.0481, 39.0121,
21.8767

■ 54.9222, 46.1329,
31.6013

■ 60.7838, 54.5818,
43.6493

 67.6839, 64.4218,
58.1579

 75.6700, 75.7122,
75.2534

 84.7866, 88.5085,
95.0535

 91.4659, 98.1523,
108.7323

Harmonies

Analogous

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



47.1116, 24.9021, 18.2641



40.7647, 24.9021, 5.0409



30.3330, 24.9021, 1.4866

Triad

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



40.7647, 24.9021, 5.0409



10.0637, 24.9021, 13.0898



27.3494, 24.9021, 120.6491

Complementary

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



40.7647, 24.9021, 5.0409



41.0607, 54.2093, 94.6849

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.



18.0598, 24.9021, 115.2982



40.7647, 24.9021, 5.0409



9.6725, 24.9021, 38.4415

Square

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



40.7647, 24.9021, 5.0409



13.4502, 24.9021, 3.4568



12.1785, 24.9021, 79.1646



38.0740, 24.9021, 90.9077

Rectangle

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



40.7647, 24.9021, 5.0409



23.3982, 24.9021, 1.0997



12.1785, 24.9021, 79.1646



23.9413, 24.9021, 123.2271

Sweetspot

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



40.7652, 24.9036, 5.0413



71.7264, 67.1423, 58.6140



50.8030, 26.1123, 66.5512



14.7810, 13.5566, 11.3440



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.



40.7652, 24.9036, 5.0413



42.2505, 23.2363, 2.4047



53.3725, 50.1180, 9.2437



16.7190, 16.9221, 17.1827



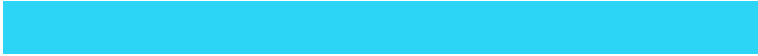
20.7650, 11.4157, 1.1090



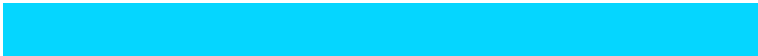
1.8875, 1.1282, 0.1183

Inverse Universe

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



41.0607, 54.2093, 94.6849



42.1498, 55.3248, 103.0650



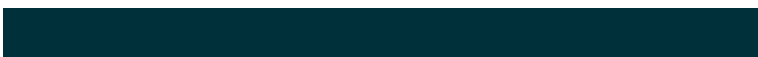
23.5770, 19.2419, 88.8570



16.7515, 18.2672, 21.1856



20.6967, 27.1871, 50.6948



1.8794, 2.5103, 4.4757

Previews

White Background



This preview shows how the XYZ color 40.7647, 24.9021, 5.0409 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 40.7647, 24.9021, 5.0409 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 40.7647, 24.9021, 5.0409

Background



This preview shows how black text looks on a background with the XYZ color 40.7647, 24.9021, 5.0409.



This preview shows how white text looks on a background with the XYZ color 40.7647, 24.9021,

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

40.7647, 24.9021, 5.0409

Protanopia

22.7102, 24.8930, 7.8828

Deuteranopia

25.4027, 24.9241, 4.4492



Tritanopia

41.7281, 24.8937, 9.6268

Trichromacy



Original Color

40.7647, 24.9021, 5.0409

Protanomaly

27.0463, 22.9669, 6.4976

Deuteranomaly

29.5121, 23.6208, 4.4427

Tritanomaly

41.4089, 24.8720, 7.6193

Monochromacy



Original Color

40.7647, 24.9021, 5.0409

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

23.1108, 19.3317, 13.1030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7647, 24.9021, 5.0409 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(245, 77, 44)` looks like.

```
.text, #text, p{  
    color:rgb(245, 77, 44)  
}
```

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(245, 77, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 77, 44) }
```

Border

The CSS property to change the border of an element to XYZ 40.7647, 24.9021, 5.0409 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(245, 77, 44) }
```


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

```
.border{ border-color:rgb(245, 77, 44) }
```

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

Here you see how a box with a 4 pixel rgb(245, 77, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 77, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 77, 44);  
box-shadow:4px 4px 4px 4px rgb(245, 77,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7647, 24.9021, 5.0409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 77, 44) }
```

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

```
.background{ background-color: rgb(245, 77,  
44) }
```

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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