

# Converting Colors

XYZ(41.9937, 26.1304, 5.0639)

Have a look what the booklet for  
XYZ(41.9937, 26.1304, 5.0639)  
contains.

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# Color

**XYZ(41.7930, 25.9759,  
5.0016)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7522A
RGB	247, 82, 42
RGB Percent	97%, 32%, 16%
CMY	0.0314, 0.6784, 0.8353
CMYK	0.00, 0.67, 0.83, 0.03
HSL	12°, 93%, 57%
HSV	12°, 83%, 97%
XYZ	41.7930, 25.9759, 5.0016
YIQ	126.7750, 111.1800, 22.5400

# Conversions

## Conversions Part 2

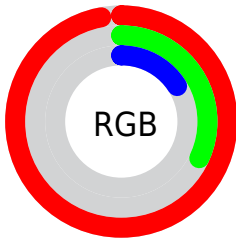
Format	Color
R <sub>Y</sub> B	247, 92, 42
Decimal	16208426
CIE Lab	58.01, 61.18, 55.98
CIE LCh	58, 82.932, 42.458
Yxy	25.9759, 0.5743, 0.3570
Android (android.graphics.Color)	4294398506 (0xFFFF7522A)
YUV	126.7750, -41.7941, 105.4373
Hunter-Lab	50.9666, 57.1800, 29.8582

# Details

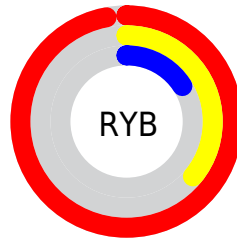
The XYZ color **41.7930, 25.9759, 5.0016** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **40.0536, 51.8283, 95.8879**, and the grayscale version is **20.2091, 21.2615, 23.1538**.

A 20% lighter version of the original color is **52.4044, 40.4979, 15.1801**, and **19.3782, 10.1187, 0.9318** is the 20% darker color. If you saturate the color by 10%, you get **40.1909, 23.2750, 2.9170**, and if you desaturate by 10%, it is **44.1023, 29.6569, 8.6632**.

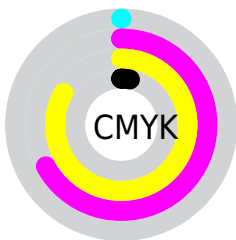
# Distribution



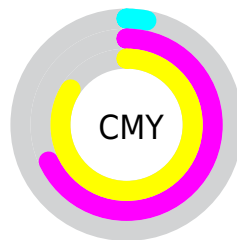
- Red (97%)
- Green (32%)
- Blue (16%)



- Red (97%)
- Yellow (36%)
- Blue (16%)



- Cyan (0%)
- Magenta (67%)
- Yellow (83%)
- Black (3%)




- Cyan (3%)
- Magenta (68%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7930, 25.9759, 5.0016 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 41.7930, 25.9759, 5.0016 by changing the saturation by 10% instead.





 41.7930, 25.9759,  
5.0016


 41.7930, 25.9759,  
5.0016


344.6304,  
282.6638, 158.7810


 29.1296, 16.8056,  
2.1894


 77.1534, 53.2361,  
16.2608


 19.3237, 10.0960,  
0.6683


 100.5811, 72.0947,  
25.5449

 12.0098, 5.4627,  
0.0000


 128.3277, 94.9516,  
37.8234

 6.8226, 2.5212,  
0.0000

 160.7584,  
122.1912, 53.5149

 3.3967, 0.8872,  
0.0000

 198.2387,  
154.1978, 73.0379

 1.3669, 0.0000,  
0.0000

 241.1339,

 0.2324, 0.0000,

191.3558, 96.8108

0.0000

289.8093,  
234.0497, 125.2524

■ 0.0000, 0.0000,  
0.0000

■ 41.7930, 25.9759,  
5.0016

■ 41.7930, 25.9759,  
5.0016

■ 40.1909, 23.2750,  
2.9170

■ 44.1023, 29.6569,  
8.6632

■ 39.4229, 21.9049,  
2.1502

■ 47.1944, 34.3988,  
14.1407

■ 51.1366, 40.2789,  
21.6333

■ 55.9877, 47.3658,  
31.3134

■ 61.8015, 55.7225,  
43.3351

68.6272, 65.4074,  
57.8383

76.5107, 76.4756,  
74.9519

85.4950, 88.9787,  
94.7960

92.1675, 98.5140,  
108.7651

# Harmonies

## Analogous

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



48.6661, 25.9759, 17.9775



41.7930, 25.9759, 5.0016



30.9592, 25.9759, 1.5561

# Triad

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



41.7930, 25.9759, 5.0016



10.5050, 25.9759, 14.7061



29.0802, 25.9759, 123.5233

# Complementary

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



41.7930, 25.9759, 5.0016



40.0536, 51.8283, 95.8879

# 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.



19.3289, 25.9759, 120.1717



41.7930, 25.9759, 5.0016



10.2570, 25.9759, 41.9246

# Square

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



41.7930, 25.9759, 5.0016



13.8392, 25.9759, 3.9892



13.0343, 25.9759, 84.2256



40.1011, 25.9759, 91.5892



# Rectangle

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



41.7930, 25.9759, 5.0016



23.8727, 25.9759, 1.2201



13.0343, 25.9759, 84.2256



25.5243, 25.9759, 126.8869

# Sweetspot

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



41.7936, 25.9774, 5.0020



72.1913, 68.0721, 58.7689



50.7458, 26.0542, 62.9465



14.8892, 13.7729, 11.3800



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.



41.7936, 25.9774, 5.0020



42.3707, 23.5215, 2.3069



55.5205, 53.4312, 9.5776



16.7609, 17.0060, 17.1966



20.9271, 11.7398, 1.1630



1.9078, 1.1689, 0.1251

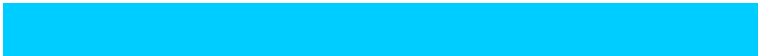


# Inverse Universe

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



40.0536, 51.8283, 95.8879



39.9368, 50.9935, 102.3456



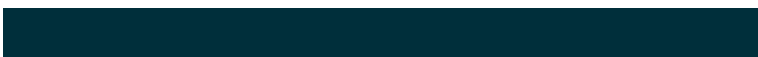
22.9924, 17.7058, 90.2008



16.7058, 18.1760, 21.1704



19.7564, 25.3065, 50.3814



1.8050, 2.3615, 4.4509



# Previews

## White Background



This preview shows how the XYZ color 41.7930, 25.9759, 5.0016 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 41.7930, 25.9759, 5.0016 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 41.7930, 25.9759, 5.0016**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.7930, 25.9759, 5.0016.



This preview shows how white text looks on a background with the XYZ color 41.7930, 25.9759,



# 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

41.7930, 25.9759, 5.0016

### Protanopia

23.8269, 26.1195, 7.6566

### Deuteranopia

26.4467, 26.0670, 4.4482



## Tritanopia

42.9588, 26.0144, 10.7398

# Trichromacy



## Original Color

41.7930, 25.9759, 5.0016

## Protanomaly

28.2029, 24.2604, 6.4451

## Deuteranomaly

30.6088, 24.6849, 4.3797

## Tritanomaly

42.5205, 25.9537, 8.0787

# Monochromacy



## Original Color

41.7930, 25.9759, 5.0016

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

24.5903, 20.8713, 13.7988

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7930, 25.9759, 5.0016 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(247, 82, 42)` looks like.

```
.text, #text, p{  
    color:rgb(247, 82, 42)  
}
```

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(247, 82, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 82, 42) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7930, 25.9759, 5.0016 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(247, 82, 42) }
```



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

```
.border{ border-color:rgb(247, 82, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 82, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 82, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 82, 42);  
box-shadow:4px 4px 4px 4px rgb(247, 82,  
42) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7930, 25.9759, 5.0016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 82, 42) }
```

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

```
.background{ background-color: rgb(247, 82,  
42) }
```

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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