

# Converting Colors

XYZ(42.3634, 26.1569, 7.7024)

Have a look what the booklet for  
XYZ(42.3634, 26.1569, 7.7024)  
contains.

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# Color

**XYZ(42.3005, 26.1789,  
7.6740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F75240
RGB	247, 82, 64
RGB Percent	97%, 32%, 25%
CMY	0.0314, 0.6784, 0.7490
CMYK	0.00, 0.67, 0.74, 0.03
HSL	6°, 92%, 61%
HSV	6°, 74%, 97%
XYZ	42.3005, 26.1789, 7.6740
YIQ	129.2830, 104.1180, 29.3820

# Conversions

## Conversions Part 2

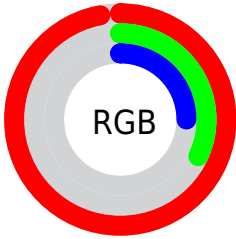
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	247, 84, 64
Decimal	16208448
CIE <sub>Lab</sub>	58.21, 61.89, 45.33
CIE <sub>LCh</sub>	58, 76.713, 36.220
Yxy	26.1789, 0.5555, 0.3438
Android (android.graphics.Color)	4294398528 (0xFFFF75240)
YUV	129.2830, -32.1845, 103.2378
Hunter-Lab	51.1653, 58.0341, 26.9231

# Details

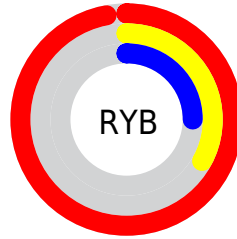
The XYZ color **42.3005, 26.1789, 7.6740** is a dark color, and the websafe version is hex **FF3333**. The color can be described as middle washed red. A complement of this color would be **46.9192, 63.8381, 97.8443**, and the grayscale version is **21.0507, 22.1470, 24.1181**.

A 20% lighter version of the original color is **53.4533, 40.9175, 20.7034**, and **19.7027, 10.2412, 1.5106** is the 20% darker color. If you saturate the color by 10%, you get **40.3311, 23.1272, 4.2840**, and if you desaturate by 10%, it is **45.1267, 30.4474, 12.8839**.

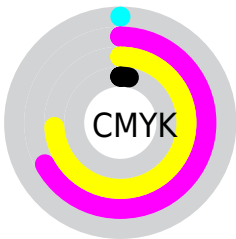
# Distribution



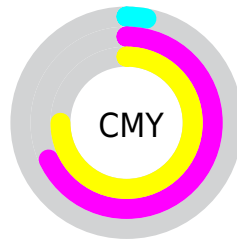
- Red (97%)
- Green (32%)
- Blue (25%)



- Red (97%)
- Yellow (33%)
- Blue (25%)



- Cyan (0%)
- Magenta (67%)
- Yellow (74%)
- Black (3%)




- Cyan (3%)
- Magenta (68%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3005, 26.1789, 7.6740 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 42.3005, 26.1789, 7.6740 by changing the saturation by 10% instead.





 42.3005, 26.1789,  
7.6740


 42.3005, 26.1789,  
7.6740


346.6976,  
283.6592, 182.9903


 29.5288, 16.9575,  
3.8023

 77.9165, 53.5634,  
21.8524

 19.6275, 10.2042,  
1.5175


 101.4916, 72.4953,  
32.9961

 12.2312, 5.5346,  
0.2309


 129.3984, 95.4329,  
47.4009

 6.9747, 2.5642,  
0.0000

 162.0025,  
122.7605, 65.4854

 3.4925, 0.9087,  
0.0000

 199.6691,  
154.8626, 87.6680

 1.4192, 0.0000,  
0.0000

 242.7635,

 0.2699, 0.0000,

192.1234, 114.3673

0.0000

291.6513,  
234.9275, 146.0019

■ 0.0000, 0.0000,  
0.0000

■ 42.3005, 26.1789,  
7.6740

■ 42.3005, 26.1789,  
7.6740

■ 40.3311, 23.1272,  
4.2840

■ 45.1267, 30.4474,  
12.8839

■ 39.1173, 21.1601,  
2.4598


■ 48.8920, 36.0378,  
20.1204


■ 38.6906, 20.4401,  
1.9061


■ 53.6709, 43.0493,  
29.5635

■ 59.5299, 51.5699,  
41.3731

■ 66.5296, 61.6809,  
55.6942

 74.7264, 73.4575,  
72.6601

 84.1728, 86.9701,  
92.3949

 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.



47.2606, 26.1789, 23.3022



42.3005, 26.1789, 7.6740



32.8219, 26.1789, 2.6203

# Triad

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



42.3005, 26.1789, 7.6740



11.8318, 26.1789, 12.4255



26.8728, 26.1789, 115.8940

# Complementary

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



42.3005, 26.1789, 7.6740



46.9192, 63.8381, 97.8443

# 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.



18.3389, 26.1789, 105.8772



42.3005, 26.1789, 7.6740



10.9908, 26.1789, 34.4283

# Square

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



42.3005, 26.1789, 7.6740



15.7319, 26.1789, 3.9225



13.0533, 26.1789, 70.8023



37.0309, 26.1789, 93.1044



# Rectangle

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



42.3005, 26.1789, 7.6740



26.0813, 26.1789, 1.8478



13.0533, 26.1789, 70.8023



23.7205, 26.1789, 116.3794

# Sweetspot

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



42.3011, 26.1804, 7.6744



73.2303, 68.7651, 63.3853



54.7209, 29.2529, 78.9197



15.1947, 14.0280, 12.5790



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.



42.3011, 26.1804, 7.6744



42.6074, 23.6584, 3.4226



53.7987, 49.1756, 11.5069



16.6303, 16.7447, 17.1531



20.5077, 10.9010, 1.0232



1.8456, 1.0444, 0.1043

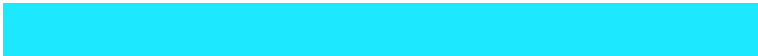


# Inverse Universe

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



46.9192, 63.8381, 97.8443



47.5743, 65.5556, 104.7538



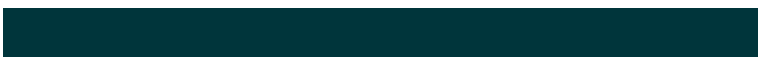
28.3175, 26.6347, 91.6437



16.8492, 18.4626, 21.2182



22.8501, 31.4940, 51.4126



2.0479, 2.8472, 4.5319



# Previews

## White Background



This preview shows how the XYZ color 42.3005, 26.1789, 7.6740 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 42.3005, 26.1789, 7.6740 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 42.3005, 26.1789, 7.6740**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.3005, 26.1789, 7.6740.



This preview shows how white text looks on a background with the XYZ color 42.3005, 26.1789,



# 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

42.3005, 26.1789, 7.6740

### Protanopia

24.2658, 26.2507, 11.9716

### Deuteranopia

26.7093, 26.1461, 7.0071



## Tritanopia

43.1076, 26.1885, 11.1704

# Trichromacy



## Original Color

42.3005, 26.1789, 7.6740

## Protanomaly

28.6404, 24.4068, 10.0390

## Deuteranomaly

30.8432, 24.7475, 7.0220

## Tritanomaly

42.9196, 26.2296, 9.8219

# Monochromacy



## Original Color

42.3005, 26.1789, 7.6740

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

25.3572, 21.3789, 16.1547

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3005, 26.1789, 7.6740 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(247, 82, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 82, 64) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3005, 26.1789, 7.6740 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, 64) }
```



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

```
.border{ border-color:rgb(247, 82, 64) }
```

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, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 82, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 82, 64);  
box-shadow:4px 4px 4px 4px rgb(247, 82,  
64) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3005, 26.1789, 7.6740 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, 64) }
```

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

```
.background{ background-color: rgb(247, 82,  
64) }
```

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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