

# Converting Colors

XYZ(44.5243, 27.1993, 4.9647)

Have a look what the booklet for  
XYZ(44.5243, 27.1993, 4.9647)  
contains.

<b>XYZ(44.5089, 27.1574, 4.9938)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(44.5089, 27.1574,  
4.9938)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5029
RGB	255, 80, 41
RGB Percent	100%, 31%, 16%
CMY	0.0000, 0.6862, 0.8392
CMYK	0.00, 0.69, 0.84, 0.00
HSL	11°, 100%, 58%
HSV	11°, 84%, 100%
XYZ	44.5089, 27.1574, 4.9938
YIQ	127.8790, 116.8190, 24.9710

# Conversions

## Conversions Part 2

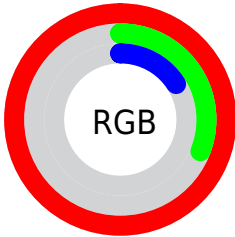
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 89, 41
Decimal	16732201
CIE <sub>Lab</sub>	59.12, 64.48, 57.93
CIE <sub>LCh</sub>	59, 86.681, 41.934
Yxy	27.1574, 0.5806, 0.3543
Android (android.graphics.Color)	4294922281 (0xFFFF5029)
YUV	127.8790, -42.8313, 111.4851
Hunter-Lab	52.1128, 61.2574, 30.7974

# Details

The XYZ color **44.5089, 27.1574, 4.9938** 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 **43.5172, 56.7971, 103.2764**, and the grayscale version is **20.5928, 21.6652, 23.5935**.

A 20% lighter version of the original color is **52.2168, 40.1923, 14.9033**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **42.9018, 24.4402, 2.9272**, and if you desaturate by 10%, it is **46.8783, 30.9400, 8.7333**.

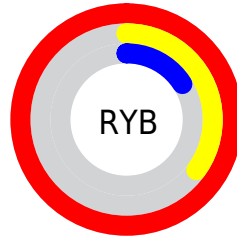
# Distribution



Red (100%)

Green (31%)

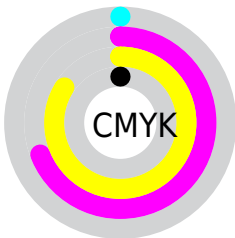
Blue (16%)



Red (100%)

Yellow (35%)

Blue (16%)

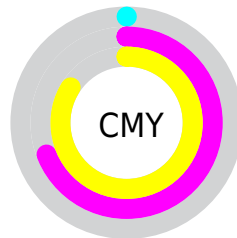


Cyan (0%)

Magenta (69%)

Yellow (84%)

Black (0%)



Cyan (0%)

Magenta (69%)


Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5089, 27.1574, 4.9938 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 44.5089, 27.1574, 4.9938 by changing the saturation by 10% instead.





 44.5089, 27.1574,  
4.9938


 44.5089, 27.1574,  
4.9938


355.5982,  
288.4184, 158.7028


 31.2704, 17.6915,  
2.1849


 81.2246, 55.1363,  
16.2437

 20.9577, 10.7287,  
0.6657


 105.4325, 74.4181,  
25.5218

 13.2054, 5.8847,  
0.0000


 134.0276, 97.7407,  
37.7934

 7.6481, 2.7751,  
0.0000

 167.3752,  
125.4884, 53.4770

 3.9205, 1.0155,  
0.0000

 205.8407,  
158.0456, 72.9912

 1.6573, 0.0000,  
0.0000

 249.7895,

 0.4293, 0.0000,

195.7967, 96.7546

0.0000

299.5869,  
239.1262, 125.1856

■ 0.0000, 0.0000,  
0.0000

■ 44.5089, 27.1574,  
4.9938

■ 44.5089, 27.1574,  
4.9938

■ 42.9018, 24.4402,  
2.9272

■ 46.8783, 30.9400,  
8.7333

■ 42.2358, 23.2520,  
2.2620

■ 50.0961, 35.8817,  
14.4109

■ 54.2376, 42.0709,  
22.2463

■ 59.3691, 49.5859,  
32.4288

■ 65.5507, 58.4985,  
45.1272

72.8375, 68.8751,  
60.4945

81.2805, 80.7780,  
78.6715

90.9279, 94.2658,  
99.7892

95.0497, 99.9998,  
108.9000

# Harmonies

## Analogous

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



51.8706, 27.1574, 18.9136



44.5089, 27.1574, 4.9938



32.7895, 27.1574, 1.4230

# Triad

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



44.5089, 27.1574, 4.9938



10.6944, 27.1574, 14.7153



30.3407, 27.1574, 133.9932

# Complementary

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



44.5089, 27.1574, 4.9938



43.5172, 56.7971, 103.2764

# 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.



19.9025, 27.1574, 129.5424



44.5089, 27.1574, 4.9938



10.3786, 27.1574, 43.6240

# Square

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



44.5089, 27.1574, 4.9938



14.2894, 27.1574, 3.7436



13.2581, 27.1574, 89.6355



42.2920, 27.1574, 99.3744



# Rectangle

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



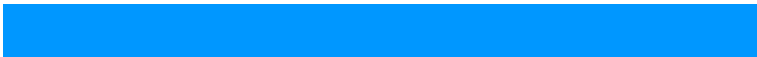
44.5089, 27.1574, 4.9938



25.1190, 27.1574, 1.0735



13.2581, 27.1574, 89.6355



26.5183, 27.1574, 137.4437

# Sweetspot

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



44.5095, 27.1590, 4.9942



71.9971, 67.6837, 58.7042



54.8627, 27.9778, 69.7565



14.8440, 13.6824, 11.3649



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.



44.5095, 27.1590, 4.9942



42.2361, 23.2521, 2.2620



58.7112, 55.5625, 9.7281



18.2771, 18.5225, 18.7562



22.1458, 12.3029, 1.2075



2.2251, 1.3355, 0.1405

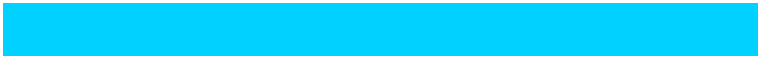


# Inverse Universe

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



43.5172, 56.7971, 103.2764



40.7316, 52.5831, 102.6105



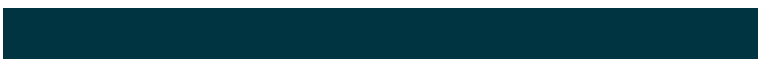
24.7954, 19.3535, 97.0358



18.2567, 19.8851, 23.1259



21.3849, 27.6793, 53.6501



2.1521, 2.8348, 5.2470



# Previews

## White Background



This preview shows how the XYZ color 44.5089, 27.1574, 4.9938 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 44.5089, 27.1574, 4.9938 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 44.5089, 27.1574, 4.9938**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.5089, 27.1574, 4.9938.



This preview shows how white text looks on a background with the XYZ color 44.5089, 27.1574,



# 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

44.5089, 27.1574, 4.9938

### Protanopia

24.8591, 27.3113, 7.8323

### Deuteranopia

27.5955, 27.0749, 4.3438



## Tritanopia

45.3791, 27.1618, 10.6356

# Trichromacy



## Original Color

44.5089, 27.1574, 4.9938

## Protanomaly

29.5621, 25.1413, 6.4266

## Deuteranomaly

32.0493, 25.6014, 4.2297

## Tritanomaly

44.9478, 27.1021, 8.0165

# Monochromacy



## Original Color

44.5089, 27.1574, 4.9938

## Achromatopsia

20.5175, 21.5861, 23.5072

## Achromatomaly

25.2513, 21.2121, 13.8298

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.5089, 27.1574, 4.9938 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(255, 80, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 80, 41)  
}
```

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(255, 80, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 80, 41) }
```

## Border

The CSS property to change the border of an element to XYZ 44.5089, 27.1574, 4.9938 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(255, 80, 41) }
```



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

```
.border{ border-color:rgb(255, 80, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 80, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 80, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 80, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 80,  
41) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.5089, 27.1574, 4.9938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 80, 41) }
```

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

```
.background{ background-color: rgb(255, 80,  
41) }
```

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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