

# Converting Colors

XYZ(44.7321, 27.2881, 6.0415)

Have a look what the booklet for  
XYZ(44.7321, 27.2881, 6.0415)  
contains.

<b>XYZ(44.7062, 27.2363, 6.0328)</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(44.7062, 27.2363,  
6.0328)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5033
RGB	255, 80, 51
RGB Percent	100%, 31%, 20%
CMY	0.0000, 0.6862, 0.8000
CMYK	0.00, 0.69, 0.80, 0.00
HSL	9°, 100%, 60%
HSV	9°, 80%, 100%
XYZ	44.7062, 27.2363, 6.0328
YIQ	129.0190, 113.6090, 28.0810

# Conversions

## Conversions Part 2

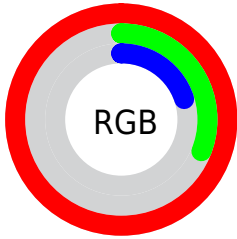
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	255, 85, 51
Decimal	16732211
CIE <sub>Lab</sub>	59.19, 64.74, 53.40
CIE <sub>LCh</sub>	59, 83.921, 39.514
Yxy	27.2363, 0.5733, 0.3493
Android (android.graphics.Color)	4294922291 (0xFFFF5033)
YUV	129.0190, -38.4634, 110.4853
Hunter-Lab	52.1884, 61.5789, 29.6782

# Details

The XYZ color **44.7062, 27.2363, 6.0328** 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 **46.6084, 62.3103, 104.1777**, and the grayscale version is **20.9771, 22.0695, 24.0337**.

A 20% lighter version of the original color is **52.6287, 40.3571, 17.0724**, and **21.2407, 10.9493, 1.0226** is the 20% darker color. If you saturate the color by 10%, you get **42.9407, 24.3723, 3.3894**, and if you desaturate by 10%, it is **47.3018, 31.2689, 10.4716**.

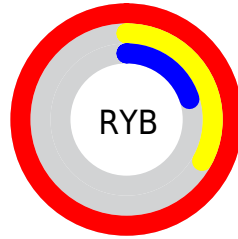
# Distribution



Red (100%)

Green (31%)

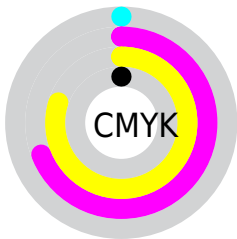
Blue (20%)



Red (100%)

Yellow (33%)

Blue (20%)

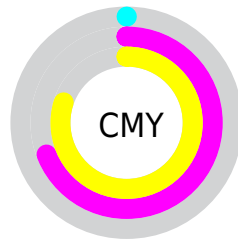


Cyan (0%)

Magenta (69%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (69%)


Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7062, 27.2363, 6.0328 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 44.7062, 27.2363, 6.0328 by changing the saturation by 10% instead.





 44.7062, 27.2363,  
6.0328


 44.7062, 27.2363,  
6.0328


356.3861,  
288.7994, 168.6798


 31.4264, 17.7508,  
2.7959


 81.5191, 55.2628,  
18.4778

 21.0771, 10.7712,  
0.9914


 105.7830, 74.5726,  
28.5230

 13.2932, 5.9132,  
0.0000


 134.4388, 97.9259,  
41.6747

 7.7091, 2.7924,  
0.0000

 167.8521,  
125.7072, 58.3514

 3.9596, 1.0243,  
0.0000

 206.3881,  
158.3008, 78.9718

 1.6793, 0.0000,  
0.0000

 250.4122,

 0.4433, 0.0000,

196.0911, 103.9542

0.0000

300.2897,  
239.4625, 133.7174

■ 0.0000, 0.0000,  
0.0000

■ 44.7062, 27.2363,  
6.0328

■ 44.7062, 27.2363,  
6.0328

■ 42.9407, 24.3723,  
3.3894

■ 47.3018, 31.2689,  
10.4716

■ 41.8786, 22.5377,  
2.1430

■ 50.8155, 36.5741,  
16.9518

■ 41.8786, 22.5376,  
2.1429

■ 55.3255, 43.2499,  
25.6823

■ 60.9011, 51.3830,  
36.8454

■ 67.6053, 61.0530,  
50.6047

75.4961, 72.3339,  
67.1099

84.6274, 85.2946,  
86.4988

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



51.2156, 27.2363, 21.1188



44.7062, 27.2363, 6.0328



33.5821, 27.2363, 1.8084

# Triad

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



44.7062, 27.2363, 6.0328



11.2496, 27.2363, 13.7215



29.3554, 27.2363, 130.4335

# Complementary

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



44.7062, 27.2363, 6.0328



46.6084, 62.3103, 104.1777

# 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.



19.4680, 27.2363, 122.9312



44.7062, 27.2363, 6.0328



10.6883, 27.2363, 40.2296

# Square

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



44.7062, 27.2363, 6.0328



15.0847, 27.2363, 3.7204



13.2663, 27.2363, 83.4634



40.9057, 27.2363, 99.9671



# Rectangle

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



44.7062, 27.2363, 6.0328



26.0582, 27.2363, 1.3011



13.2663, 27.2363, 83.4634



25.7171, 27.2363, 132.5659

# Sweetspot

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



44.7068, 27.2379, 6.0332



72.1940, 67.6237, 60.1689



56.3993, 29.2179, 75.9200



14.8581, 13.6239, 11.6370



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.



44.7068, 27.2379, 6.0332



42.2348, 23.1601, 2.5372



58.1989, 54.2222, 10.5306



18.2177, 18.4036, 18.7364



21.9453, 11.9018, 1.1406



2.1965, 1.2784, 0.1310

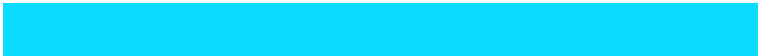


# Inverse Universe

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



46.6084, 62.3103, 104.1777



43.8200, 58.5704, 103.6034



26.8505, 22.7945, 97.5917



18.3217, 20.0150, 23.1476



22.7163, 30.3422, 54.0939



2.2695, 3.0698, 5.2862



# Previews

## White Background



This preview shows how the XYZ color 44.7062, 27.2363, 6.0328 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 44.7062, 27.2363, 6.0328 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 44.7062, 27.2363, 6.0328**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7062, 27.2363, 6.0328.



This preview shows how white text looks on a background with the XYZ color 44.7062, 27.2363,



# 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

44.7062, 27.2363, 6.0328

### Protanopia

24.9972, 27.3437, 9.5906

### Deuteranopia

27.8048, 27.1586, 5.4457



## Tritanopia

45.4496, 27.3029, 10.6591

# Trichromacy



## Original Color

44.7062, 27.2363, 6.0328

## Protanomaly

29.5783, 25.1182, 7.8468

## Deuteranomaly

32.2631, 25.6870, 5.3554

## Tritanomaly

45.1415, 27.2942, 8.6834

# Monochromacy



## Original Color

44.7062, 27.2363, 6.0328

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

25.7126, 21.4224, 15.0917

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7062, 27.2363, 6.0328 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 80, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 80, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7062, 27.2363, 6.0328 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, 51) }
```



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

```
.border{ border-color:rgb(255, 80, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 80, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 80, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 80,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7062, 27.2363, 6.0328 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, 51) }
```

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

```
.background{ background-color: rgb(255, 80,  
51) }
```

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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