

Converting Colors

XYZ(44.2070, 26.7515, 4.2835)

Have a look what the booklet for
XYZ(44.2070, 26.7515, 4.2835)
contains.

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Color

**XYZ(44.2389, 26.8186,
4.2837)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4E21
RGB	255, 78, 33
RGB Percent	100%, 31%, 13%
CMY	0.0000, 0.6941, 0.8706
CMYK	0.00, 0.69, 0.87, 0.00
HSL	12°, 100%, 56%
HSV	12°, 87%, 100%
XYZ	44.2389, 26.8186, 4.2837
YIQ	125.7930, 119.9370, 23.5290

Conversions

Conversions Part 2

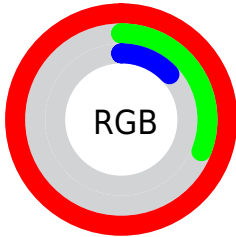
Format	Color
R_{YB}	255, 89, 33
Decimal	16731681
CIE Lab	58.81, 65.05, 60.95
CIE LCh	59, 89.144, 43.139
Yxy	26.8186, 0.5872, 0.3560
Android (android.graphics.Color)	4294921761 (0xFFFF4E21)
YUV	125.7930, -45.7469, 113.3145
Hunter-Lab	51.7867, 61.8574, 31.3463

Details

The XYZ color **44.2389, 26.8186, 4.2837** 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 **41.7208, 53.6307, 102.7598**, and the grayscale version is **19.8844, 20.9200, 22.7819**.

A 20% lighter version of the original color is **51.6444, 39.5084, 13.2914**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **42.7779, 24.2705, 2.6455**, and if you desaturate by 10%, it is **46.4160, 30.3700, 7.4858**.

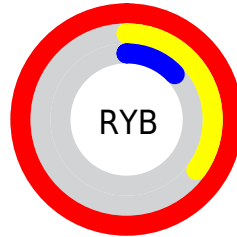
Distribution



Red (100%)

Green (31%)

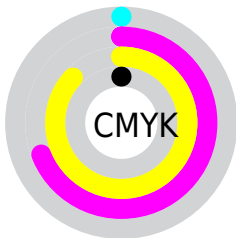
Blue (13%)



Red (100%)

Yellow (35%)

Blue (13%)

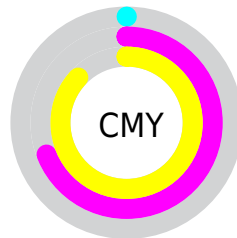


Cyan (0%)

Magenta (69%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (69%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.2389, 26.8186, 4.2837 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 44.2389, 26.8186, 4.2837 by changing the saturation by 10% instead.


 44.2389, 26.8186,
4.2837


 44.2389, 26.8186,
4.2837

354.5180,
286.7777, 151.3283


 31.0571, 17.4370,
1.7822


 80.8212, 54.5926,
14.6589


 20.7944, 10.5466,
0.4162


 104.9525, 73.7539,
23.3698

 13.0854, 5.7628,
0.0000


 133.4642, 96.9439,
34.9875

 7.5648, 2.7014,
0.0000

 166.7218,
124.5469, 49.9307

 3.8672, 0.9779,
0.0000

 205.0906,
156.9474, 68.6178

 1.6273, 0.0000,
0.0000

 248.9361,

 0.4101, 0.0000,

194.5298, 91.4674

0.0000

298.6234,
237.6784, 118.8981

0.0000, 0.0000,
0.0000

44.2389, 26.8186,
4.2837

44.2389, 26.8186,
4.2837

42.7779, 24.2705,
2.6455

46.4160, 30.3700,
7.4858

42.4544, 23.6893,
2.3349

49.3978, 35.0156,
12.5430

53.2599, 40.8405,
19.6858

58.0681, 47.9195,
29.1110

63.8817, 56.3213,
40.9922

70.7548, 66.1093,
55.4862

78.7379, 77.3429,
72.7366

87.8777, 90.0780,
92.8766

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.



52.1190, 26.8186, 17.4868



44.2389, 26.8186, 4.2837



32.1274, 26.8186, 1.1330

Triad

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



44.2389, 26.8186, 4.2837



10.1386, 26.8186, 14.9241



30.6043, 26.8186, 136.7550

Complementary

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



44.2389, 26.8186, 4.2837



41.7208, 53.6307, 102.7598

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.



19.8366, 26.8186, 133.9253



44.2389, 26.8186, 4.2837



9.9475, 26.8186, 45.2397

Square

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



44.2389, 26.8186, 4.2837



13.5948, 26.8186, 3.5558



12.9661, 26.8186, 93.2502



42.8512, 26.8186, 99.4121

Rectangle

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



44.2389, 26.8186, 4.2837



24.3501, 26.8186, 0.8655



12.9661, 26.8186, 93.2502



26.6655, 26.8186, 140.9802

Sweetspot

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



44.2395, 26.8202, 4.2841



71.5468, 67.2291, 57.1791



53.4913, 27.0307, 63.7633



14.7693, 13.6184, 11.0773



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.



44.2395, 26.8202, 4.2841



42.4547, 23.6895, 2.3349



59.5830, 57.5072, 9.3986



18.3076, 18.5834, 18.7664



22.2670, 12.5452, 1.2479



2.2411, 1.3676, 0.1458

Inverse Universe

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



41.7208, 53.6307, 102.7598



39.4763, 50.0726, 102.1921



23.1961, 16.5813, 96.5849



18.2237, 19.8190, 23.1149



20.7367, 26.3830, 53.4341



2.0945, 2.7197, 5.2278

Previews

White Background



This preview shows how the XYZ color 44.2389, 26.8186, 4.2837 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 44.2389, 26.8186, 4.2837 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 44.2389, 26.8186, 4.2837

Background



This preview shows how black text looks on a background with the XYZ color 44.2389, 26.8186, 4.2837.



This preview shows how white text looks on a background with the XYZ color 44.2389, 26.8186,

4.2837.

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

44.2389, 26.8186, 4.2837

Protanopia

24.5255, 26.9387, 6.8128

Deuteranopia

27.1155, 26.6339, 3.7117



Tritanopia

45.1312, 26.8422, 10.0101

Trichromacy



Original Color

44.2389, 26.8186, 4.2837

Protanomaly

29.2810, 24.8374, 5.5363

Deuteranomaly

31.8158, 25.3266, 3.5595

Tritanomaly

44.6939, 26.7767, 7.3702

Monochromacy



Original Color

44.2389, 26.8186, 4.2837

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

24.6340, 20.5942, 12.8019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.2389, 26.8186, 4.2837 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, 78, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 78, 33)  
}
```

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, 78, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 78, 33) }
```

Border

The CSS property to change the border of an element to XYZ 44.2389, 26.8186, 4.2837 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, 78, 33) }
```


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

```
.border{ border-color:rgb(255, 78, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 78, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 78, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 78, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 78,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 44.2389, 26.8186, 4.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 78, 33) }
```

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

```
.background{ background-color: rgb(255, 78,  
33) }
```

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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