

# Converting Colors

XYZ(44.1090, 26.6448, 3.9753)

Have a look what the booklet for  
XYZ(44.1090, 26.6448, 3.9753)  
contains.

<b>XYZ(44.1156, 26.6565, 3.9825)</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(44.1156, 26.6565,  
3.9825)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4D1D
RGB	255, 77, 29
RGB Percent	100%, 30%, 11%
CMY	0.0000, 0.6980, 0.8863
CMYK	0.00, 0.70, 0.89, 0.00
HSL	13°, 100%, 56%
HSV	13°, 89%, 100%
XYZ	44.1156, 26.6565, 3.9825
YIQ	124.7500, 121.4960, 22.8080

# Conversions

## Conversions Part 2

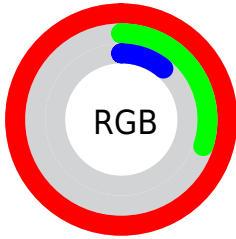
Format	Color
<a href="#">RYB</a>	<a href="#">255, 90, 29</a>
Decimal	<a href="#">16731421</a>
CIELab	<a href="#">58.66, 65.34, 62.33</a>
CIELCh	<a href="#">59, 90.298, 43.648</a>
Yxy	<a href="#">26.6565, 0.5901, 0.3566</a>
Android (android.graphics.Color)	<a href="#">4294921501 (0xFFFF4D1D)</a>
YUV	<a href="#">124.7500, -47.2047, 114.2292</a>
Hunter-Lab	<a href="#">51.6299, 62.1683, 31.5676</a>

# Details

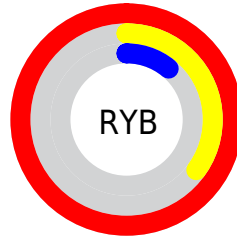
The XYZ color **44.1156, 26.6565, 3.9825** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **40.8665, 52.1011, 102.5094**, and the grayscale version is **19.5357, 20.5531, 22.3823**.

A 20% lighter version of the original color is **51.3892, 39.1820, 12.6390**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **42.7185, 24.1868, 2.5176**, and if you desaturate by 10%, it is **46.2008, 30.0980, 6.9266**.

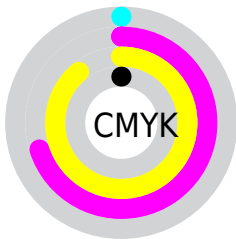
# Distribution



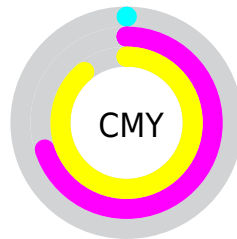
- Red (100%)
- Green (30%)
- Blue (11%)



- Red (100%)
- Yellow (35%)
- Blue (11%)



- Cyan (0%)
- Magenta (70%)
- Yellow (89%)
- Black (0%)




- Cyan (0%)
- Magenta (70%)
- Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.1156, 26.6565, 3.9825 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 44.1156, 26.6565, 3.9825 by changing the saturation by 10% instead.





 44.1156, 26.6565,  
3.9825


 44.1156, 26.6565,  
3.9825


354.0241,  
285.9901, 148.0307


 30.9597, 17.3154,  
1.6157


 80.6369, 54.3322,  
13.9694

 20.7198, 10.4596,  
0.3020


 104.7331, 73.4355,  
22.4266

 13.0307, 5.7048,  
0.0000


 133.2067, 96.5618,  
33.7510

 7.5268, 2.6664,  
0.0000

 166.4231,  
124.0953, 48.3612

 3.8429, 0.9602,  
0.0000

 204.7477,  
156.4205, 66.6758


 1.6137, 0.0000,  
0.0000


 248.5458,


 0.4013, 0.0000,


193.9218, 89.1132


0.0000


 298.1828,  
236.9835, 116.0919


 0.0000, 0.0000,  
0.0000


 44.1156, 26.6565,  
3.9825


 44.1156, 26.6565,  
3.9825

 42.7185, 24.1868,  
2.5176


 46.2008, 30.0980,  
6.9266

 42.5668, 23.9142,  
2.3724

 49.0697, 34.6032,  
11.6827

 52.7981, 40.2557,  
18.4877

 57.4517, 47.1290,  
27.5422

 63.0895, 55.2902,  
39.0227

69.7653, 64.8014,  
53.0878

77.5292, 75.7208,  
69.8829

86.4277, 88.1028,  
89.5422

95.0496, 99.9998,  
108.9000

# Harmonies

## Analogous

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



52.2288, 26.6565, 16.8650



44.1156, 26.6565, 3.9825



31.8279, 26.6565, 1.0134

# Triad

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



44.1156, 26.6565, 3.9825



9.8861, 26.6565, 15.0000



30.7096, 26.6565, 138.0475

# Complementary

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



44.1156, 26.6565, 3.9825



40.8665, 52.1011, 102.5094

# 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.



19.7933, 26.6565, 135.9487



44.1156, 26.6565, 3.9825



9.7476, 26.6565, 45.9557

# Square

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



44.1156, 26.6565, 3.9825



13.2816, 26.6565, 3.4646



12.8243, 26.6565, 94.8983



43.0937, 26.6565, 99.4586



# Rectangle

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



44.1156, 26.6565, 3.9825



24.0031, 26.6565, 0.7700



12.8243, 26.6565, 94.8983



26.7178, 26.6565, 142.6254

# Sweetspot

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



44.1162, 26.6581, 3.9829



70.9535, 66.4807, 55.6304



53.2869, 26.7818, 63.2028



14.6605, 13.4845, 10.7828



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.



44.1162, 26.6581, 3.9829



42.5672, 23.9144, 2.3724



59.2741, 56.9740, 9.0356



18.3221, 18.6123, 18.7712



22.3290, 12.6692, 1.2685



2.2491, 1.3836, 0.1485

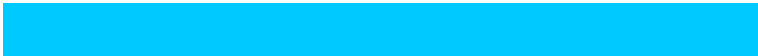


# Inverse Universe

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



40.8665, 52.1011, 102.5094



38.8965, 48.9130, 101.9988



22.8129, 15.9939, 96.4915



18.2081, 19.7878, 23.1097



20.4372, 25.7840, 53.3342



2.0678, 2.6663, 5.2189



# Previews

## White Background



This preview shows how the XYZ color 44.1156, 26.6565, 3.9825 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 44.1156, 26.6565, 3.9825 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 44.1156, 26.6565, 3.9825**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.1156, 26.6565, 3.9825.



This preview shows how white text looks on a background with the XYZ color 44.1156, 26.6565,



# 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

44.1156, 26.6565, 3.9825

### Protanopia

24.2472, 26.8046, 6.3785

### Deuteranopia

27.1155, 26.6339, 3.7117



## Tritanopia

45.0283, 26.6934, 9.8003

# Trichromacy



## Original Color

44.1156, 26.6565, 3.9825

## Protanomaly

28.8370, 24.4408, 5.1171

## Deuteranomaly

31.6977, 25.0998, 3.4907

## Tritanomaly

44.5717, 26.6184, 7.0636

# Monochromacy



## Original Color

44.1156, 26.6565, 3.9825

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

24.2213, 20.2340, 12.3018

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.1156, 26.6565, 3.9825 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, 77, 29)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 29)  
}
```

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, 77, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 29) }
```

## Border

The CSS property to change the border of an element to XYZ 44.1156, 26.6565, 3.9825 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, 77, 29) }
```



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

```
.border{ border-color:rgb(255, 77, 29) }
```

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

Here you see how a box with a 4 pixel rgb(255, 77, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 29);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
29) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.1156, 26.6565, 3.9825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 29) }
```

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

```
.background{ background-color: rgb(255, 77,  
29) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor