

# Converting Colors

XYZ(44.3062, 25.7467, 8.0253)

Have a look what the booklet for  
XYZ(44.3062, 25.7467, 8.0253)  
contains.

<b>XYZ(44.3505, 25.8116, 8.1134)</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(44.3505, 25.8116,  
8.1134)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4444
RGB	255, 68, 68
RGB Percent	100%, 27%, 27%
CMY	0.0000, 0.7333, 0.7333
CMYK	0.00, 0.73, 0.73, 0.00
HSL	0°, 100%, 63%
HSV	0°, 73%, 100%
XYZ	44.3505, 25.8116, 8.1134
YIQ	123.9130, 111.4520, 39.6440

# Conversions

## Conversions Part 2

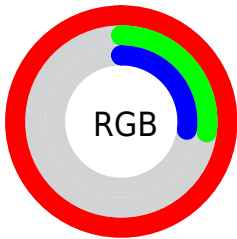
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 68, 68
Decimal	16729156
CIE <sub>Lab</sub>	57.86, 69.46, 43.18
CIE <sub>LCh</sub>	58, 81.789, 31.867
Yxy	25.8116, 0.5666, 0.3298
Android (android.graphics.Color)	4294919236 (0xFFFF4444)
YUV	123.9130, -27.5651, 114.9633
Hunter-Lab	50.8051, 66.9132, 26.0952

# Details

The XYZ color **44.3505, 25.8116, 8.1134** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **56.1892, 79.9598, 107.0794**, and the grayscale version is **19.1939, 20.1935, 21.9907**.

A 20% lighter version of the original color is **52.3011, 38.2449, 21.4550**, and **21.3899, 11.0090, 1.8082** is the 20% darker color. If you saturate the color by 10%, you get **42.5130, 23.1234, 4.4603**, and if you desaturate by 10%, it is **47.1972, 29.9780, 13.7713**.

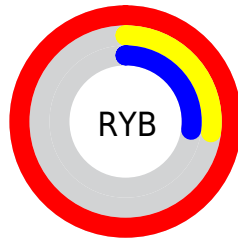
# Distribution



Red (100%)

Green (27%)

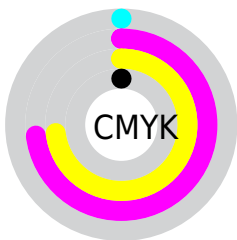
Blue (27%)



Red (100%)

Yellow (27%)

Blue (27%)

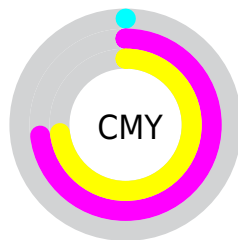


Cyan (0%)

Magenta (73%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (73%)


Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3505, 25.8116, 8.1134 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 44.3505, 25.8116, 8.1134 by changing the saturation by 10% instead.





 44.3505, 25.8116,  
8.1134


 44.3505, 25.8116,  
8.1134


354.9648,  
281.8560, 186.5865


 31.1452, 16.6828,  
4.0788


 80.9880, 52.9709,  
22.7303


 20.8618, 10.0086,  
1.6687


 105.1509, 71.7700,  
34.1496

 13.1349, 5.4046,  
0.3391


 133.6971, 94.5615,  
48.8676

 7.5992, 2.4866,  
0.0000

 166.9920,  
121.7295, 67.3028

 3.8892, 0.8699,  
0.0000

 205.4008,  
153.6586, 89.8738

 1.6396, 0.0000,  
0.0000

249.2890,

 0.4180, 0.0000,

190.7331, 116.9990

0.0000

299.0219,  
233.3375, 149.0971

■ 0.0000, 0.0000,  
0.0000

■ 44.3505, 25.8116,  
8.1134

■ 44.3505, 25.8116,  
8.1134

■ 42.5130, 23.1234,  
4.4603

■ 47.1972, 29.9780,  
13.7713

■ 41.5416, 21.7018,  
2.5297


■ 51.1675, 35.7878,  
21.6638


■ 41.2399, 21.2603,  
1.9301

■ 56.3625, 43.3896,  
31.9909

■ 62.8713, 52.9139,  
44.9300

■ 70.7750, 64.4793,  
60.6422

 80.1479, 78.1945,  
79.2754

 91.0593, 94.1609,  
100.9671

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.



48.6998, 25.8116, 26.3770



44.3505, 25.8116, 8.1134



34.5727, 25.8116, 2.2911

# Triad

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



44.3505, 25.8116, 8.1134



11.3510, 25.8116, 9.5225



25.1543, 25.8116, 124.4076

# Complementary

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



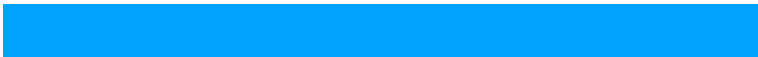
44.3505, 25.8116, 8.1134



56.1892, 79.9598, 107.0794

# 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.



16.6538, 25.8116, 108.0143



44.3505, 25.8116, 8.1134



10.0719, 25.8116, 29.9057

# Square

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



44.3505, 25.8116, 8.1134



15.8432, 25.8116, 2.6391



11.7235, 25.8116, 67.4845



35.9311, 25.8116, 103.7436



# Rectangle

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



44.3505, 25.8116, 8.1134



27.3067, 25.8116, 1.3574



11.7235, 25.8116, 67.4845



21.9541, 25.8116, 123.0218

# Sweetspot

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



44.3511, 25.8131, 8.1138



71.9385, 66.1816, 62.9547



61.3567, 32.6141, 97.6684



14.8973, 13.4332, 12.4799



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.



44.3511, 25.8131, 8.1138



41.9621, 22.3169, 3.3648



55.1155, 47.3420, 11.7019



18.0096, 17.9873, 18.6670



21.5489, 11.1091, 1.0085



2.0982, 1.0817, 0.0982



# Inverse Universe

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



56.1892, 79.9598, 107.0794



54.3579, 79.0148, 106.9942



33.2662, 34.1137, 99.4384



18.5548, 20.4813, 23.2253



28.1139, 41.1373, 55.8931



2.7374, 4.0055, 5.4421



# Previews

## White Background



This preview shows how the XYZ color 44.3505, 25.8116, 8.1134 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

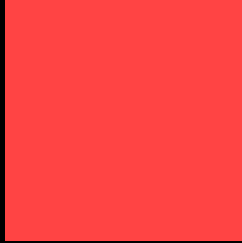
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.3505, 25.8116, 8.1134 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 44.3505, 25.8116, 8.1134**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.3505, 25.8116, 8.1134.



This preview shows how white text looks on a background with the XYZ color 44.3505, 25.8116,



# 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

44.3505, 25.8116, 8.1134

### Protanopia

23.9269, 25.8173, 13.8474

### Deuteranopia

26.1987, 25.6723, 7.3158



## Tritanopia

44.4126, 25.8364, 8.4405

# Trichromacy



## Original Color

44.3505, 25.8116, 8.1134

## Protanomaly

28.4527, 23.2536, 11.1724

## Deuteranomaly

30.9129, 23.9600, 7.2704

## Tritanomaly

44.3813, 25.8239, 8.2756

# Monochromacy



## Original Color

44.3505, 25.8116, 8.1134

## Achromatopsia

19.1579, 20.1556, 21.9495

## Achromatomaly

24.4623, 19.6708, 15.6042

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.3505, 25.8116, 8.1134 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, 68, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 68, 68)  
}
```

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, 68, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 68, 68) }
```

## Border

The CSS property to change the border of an element to XYZ 44.3505, 25.8116, 8.1134 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, 68, 68) }
```



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

```
.border{ border-color:rgb(255, 68, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 68, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 68, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 68, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 68,  
68) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.3505, 25.8116, 8.1134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 68, 68) }
```

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

```
.background{ background-color: rgb(255, 68,  
68) }
```

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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