

# Converting Colors

XYZ(44.6772, 25.3220, 11.7374)

Have a look what the booklet for  
XYZ(44.6772, 25.3220, 11.7374)  
contains.

<b>XYZ(44.6702, 25.3021, 11.7619)</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(44.6702, 25.3021,  
11.7619)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3D58
RGB	255, 61, 88
RGB Percent	100%, 24%, 35%
CMY	0.0000, 0.7607, 0.6549
CMYK	0.00, 0.76, 0.65, 0.00
HSL	352°, 100%, 62%
HSV	352°, 76%, 100%
XYZ	44.6702, 25.3021, 11.7619
YIQ	122.0840, 106.9570, 49.5250

# Conversions

## Conversions Part 2

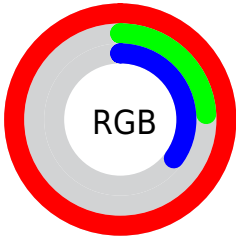
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 61, 88
Decimal	16727384
CIE Lab	57.37, 72.50, 31.25
CIE LCh	57, 78.946, 23.316
Yxy	25.3021, 0.5465, 0.3096
Android (android.graphics.Color)	4294917464 (0xFFFF3D58)
YUV	122.0840, -16.8034, 116.5673
Hunter-Lab	50.3012, 70.4906, 21.3471

# Details

The XYZ color **44.6702, 25.3021, 11.7619** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **51.6908, 78.1144, 85.7625**, and the grayscale version is **18.5569, 19.5233, 21.2609**.

A 20% lighter version of the original color is **53.0351, 37.5103, 28.4897**, and **21.6712, 11.1216, 3.2900** is the 20% darker color. If you saturate the color by 10%, you get **42.8408, 22.8864, 7.3212**, and if you desaturate by 10%, it is **47.4208, 29.1228, 17.8604**.

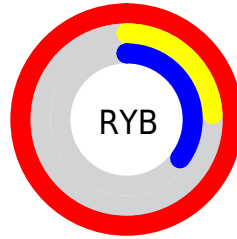
# Distribution



Red (100%)

Green (24%)

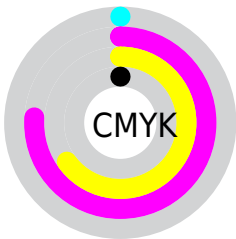
Blue (35%)



Red (100%)

Yellow (24%)

Blue (35%)

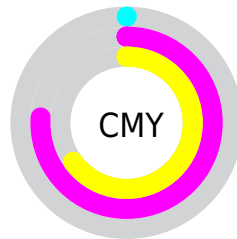


Cyan (0%)

Magenta (76%)

Yellow (65%)

Black (0%)



Cyan (0%)

Magenta (76%)


Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6702, 25.3021, 11.7619 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 44.6702, 25.3021, 11.7619 by changing the saturation by 10% instead.





 44.6702, 25.3021,  
11.7619


 44.6702, 25.3021,  
11.7619


356.2424,  
279.3391, 213.7442


 31.3979, 16.3023,  
6.4612


 81.4654, 52.1469,  
29.7186


 21.0553, 9.7383,  
3.0542


 105.7190, 70.7607,  
43.2117


 13.2772, 5.2258,  
1.1224


 134.3638, 93.3478,  
60.2726

 7.6980, 2.3803,  
0.0000

 167.7651,  
120.2929, 81.3199

 3.9525, 0.8157,  
0.0000

 206.2882,  
151.9801, 106.7722

 1.6753, 0.0000,  
0.0000

250.2986,

 0.4407, 0.0000,

188.7940, 137.0480

0.0000

300.1615,  
231.1188, 172.5658

■ 0.0000, 0.0000,  
0.0000

■ 44.6702, 25.3021,  
11.7619

■ 44.6702, 25.3021,  
11.7619

■ 42.8408, 22.8864,  
7.3212

■ 47.4208, 29.1228,  
17.8604

■ 41.8049, 21.6599,  
4.3697


■ 51.1940, 34.5150,  
25.7598


■ 41.5502, 21.3840,  
3.5647

■ 56.0798, 41.6265,  
35.5890

■ 62.1575, 50.5868,  
47.4645

■ 69.4990, 61.5132,  
61.4936

 78.1709, 74.5130,  
77.7758

 88.2346, 89.6859,  
96.4047

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.



46.7388, 25.3021, 34.0004



44.6702, 25.3021, 11.7619



36.4929, 25.3021, 3.4337

# Triad

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



44.6702, 25.3021, 11.7619



12.3041, 25.3021, 6.7960



22.0128, 25.3021, 117.0962

# Complementary

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



44.6702, 25.3021, 11.7619



51.6908, 78.1144, 85.7625

# 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.



14.8141, 25.3021, 93.0705



44.6702, 25.3021, 11.7619



10.2294, 25.3021, 21.9713

# Square

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



44.6702, 25.3021, 11.7619



17.6015, 25.3021, 2.1429



11.0111, 25.3021, 53.4233



31.9049, 25.3021, 107.2533



# Rectangle

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



44.6702, 25.3021, 11.7619



29.5992, 25.3021, 1.7922



11.0111, 25.3021, 53.4233



19.2398, 25.3021, 112.3831

# Sweetspot

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



44.6708, 25.3036, 11.7623



72.0192, 65.2820, 66.2520



51.0527, 26.7120, 97.0723



14.7837, 13.0289, 12.9878



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.



44.6708, 25.3036, 11.7623



42.2405, 22.1489, 5.6923



49.9209, 37.2737, 8.9805



18.1123, 18.0282, 19.2083



21.7421, 11.1861, 2.0263



2.1467, 1.1011, 0.3540



# Inverse Universe

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



44.6708, 25.3036, 11.7623



42.2405, 22.1489, 5.6923



37.7679, 43.7978, 101.0704



18.1123, 18.0282, 19.2083



21.7421, 11.1861, 2.0263



2.1467, 1.1011, 0.3540



# Previews

## White Background



This preview shows how the XYZ color 44.6702, 25.3021, 11.7619 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

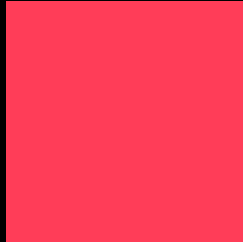
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.6702, 25.3021, 11.7619 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 44.6702, 25.3021, 11.7619**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.6702, 25.3021, 11.7619.



This preview shows how white text looks on a background with the XYZ color 44.6702, 25.3021,



# 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

44.6702, 25.3021, 11.7619

### Protanopia

24.0953, 25.5286, 21.1103

### Deuteranopia

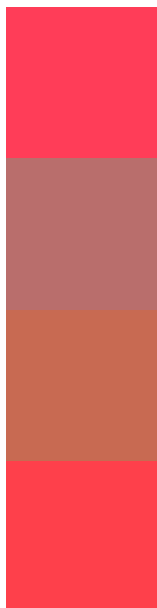
25.7749, 25.3774, 10.7476



## Tritanopia

43.7765, 25.2567, 7.8779

# Trichromacy



## Original Color

44.6702, 25.3021, 11.7619

## Protanomaly

28.2903, 22.5489, 17.0487

## Deuteranomaly

30.4964, 23.1966, 10.8527

## Tritanomaly

43.9764, 25.2456, 9.2117

# Monochromacy



## Original Color

44.6702, 25.3021, 11.7619

## Achromatopsia

18.4984, 19.4618, 21.1939

## Achromatomaly

23.9492, 18.7862, 17.1157

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.6702, 25.3021, 11.7619 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, 61, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 61, 88)  
}
```

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, 61, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 61, 88) }
```

## Border

The CSS property to change the border of an element to XYZ 44.6702, 25.3021, 11.7619 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, 61, 88) }
```



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

```
.border{ border-color:rgb(255, 61, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 61, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 61, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 61, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 61,  
88) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.6702, 25.3021, 11.7619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 61, 88) }
```

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

```
.background{ background-color: rgb(255, 61,  
88) }
```

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