

Converting Colors

XYZ(58.8211, 33.3818, 13.8384)

Have a look what the booklet for
XYZ(58.8211, 33.3818, 13.8384)
contains.

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Color

**XYZ(45.4505, 26.4485,
13.2992)**

Conversions

Conversions Part 1

Format	Color
Hex	FF465E
RGB	255, 70, 94
RGB Percent	100%, 27%, 37%
CMY	0.0000, 0.7254, 0.6314
CMYK	0.00, 0.73, 0.63, 0.00
HSL	352°, 100%, 64%
HSV	352°, 73%, 100%
XYZ	45.4505, 26.4485, 13.2992
YIQ	128.0510, 102.5560, 46.6840

Conversions

Conversions Part 2

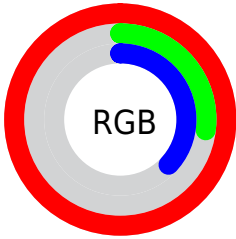
Format	Color
RYB	255, 70, 94
Decimal	16729694
CIELab	58.46, 70.04, 29.15
CIELCh	58, 75.867, 22.594
Yxy	26.4485, 0.5335, 0.3104
Android (android.graphics.Color)	4294919774 (0xFFFF465E)
YUV	128.0510, -16.7871, 111.3343
Hunter-Lab	51.4281, 67.7534, 20.6674

Details

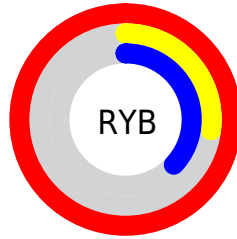
The XYZ color **45.4505, 26.4485, 13.2992** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed red. A complement of this color would be **52.7121, 78.5923, 88.0022**, and the grayscale version is **20.5689, 21.6401, 23.5660**.

A 20% lighter version of the original color is **54.3903, 39.5062, 31.1443**, and **22.0194, 11.2898, 3.8149** is the 20% darker color. If you saturate the color by 10%, you get **43.3231, 23.5651, 8.3631**, and if you desaturate by 10%, it is **48.5420, 30.8026, 19.9692**.

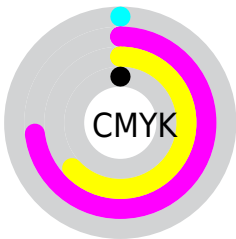
Distribution



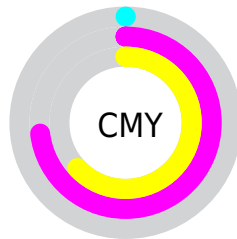
- Red (100%)
- Green (27%)
- Blue (37%)



- Red (100%)
- Yellow (27%)
- Blue (37%)



- Cyan (0%)
- Magenta (73%)
- Yellow (63%)
- Black (0%)



- Cyan (0%)
- Magenta (73%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4505, 26.4485, 13.2992 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 45.4505, 26.4485, 13.2992 by changing the saturation by 10% instead.


 45.4505, 26.4485,
13.2992


 45.4505, 26.4485,
13.2992

359.3481,
284.9768, 224.1012


 32.0152, 17.1595,
7.5018


 82.6289, 53.9976,
32.5393

 21.5287, 10.3483,
3.6947


 107.1028, 73.0265,
46.8190


 13.6257, 5.6305,
1.4594


 135.9869, 96.0707,
64.7633

 7.9407, 2.6217,
0.1874

 169.6465,
123.5148, 86.7906

 4.1085, 0.9376,
0.0000

 208.4471,
155.7430, 113.3195

 1.7637, 0.0000,
0.0000

252.7540,

 0.4957, 0.0000,

193.1399, 144.7685

0.0000

302.9326,
236.0897, 181.5562

■ 0.0000, 0.0000,
0.0000

■ 45.4505, 26.4485,
13.2992

■ 45.4505, 26.4485,
13.2992

■ 43.3231, 23.5651,
8.3631

■ 48.5420, 30.8026,
19.9692

■ 42.0402, 21.9530,
4.9957

■ 52.6943, 36.7841,
28.5148


■ 41.5151, 21.3700,
3.3804

■ 57.9940, 44.5348,
39.0641

■ 64.5185, 54.1795,
51.7337

■ 72.3383, 65.8321,
66.6312

 81.5183, 79.5973,
83.8568

 92.1193, 95.5724,
103.5046

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.



47.2845, 26.4485, 35.8930



45.4505, 26.4485, 13.2992



37.5971, 26.4485, 4.3013

Triad

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



45.4505, 26.4485, 13.2992



13.4702, 26.4485, 7.5853



22.9099, 26.4485, 114.8928

Complementary

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



45.4505, 26.4485, 13.2992



52.7121, 78.5923, 88.0022

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.



15.7899, 26.4485, 91.3702



45.4505, 26.4485, 13.2992



11.2805, 26.4485, 22.7055

Square

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



45.4505, 26.4485, 13.2992



18.8926, 26.4485, 2.7019



12.0104, 26.4485, 53.2037



32.6284, 26.4485, 106.3295

Rectangle

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



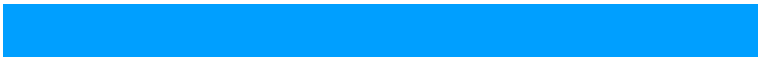
45.4505, 26.4485, 13.2992



30.8573, 26.4485, 2.3885



12.0104, 26.4485, 53.2037



20.1739, 26.4485, 110.1501

Sweetspot

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



45.4511, 26.4501, 13.2996



72.8022, 66.5256, 67.5073



52.9815, 28.4804, 97.3119



15.0963, 13.5125, 13.5290



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.



45.4511, 26.4501, 13.2996



42.6552, 22.7029, 6.6794



51.4114, 39.8338, 10.7757



18.1052, 18.0254, 19.1713



21.7221, 11.1781, 1.9211



2.1434, 1.0997, 0.3367

Inverse Universe

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



45.4511, 26.4501, 13.2996



42.6552, 22.7029, 6.6794



38.3833, 44.1359, 101.1031



18.1052, 18.0254, 19.1713



21.7221, 11.1781, 1.9211



2.1434, 1.0997, 0.3367

Previews

White Background



This preview shows how the XYZ color 45.4505, 26.4485, 13.2992 looks on a white background.

Color Contrast Check

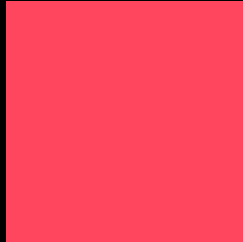
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.4505, 26.4485, 13.2992 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 45.4505, 26.4485, 13.2992

Background



This preview shows how black text looks on a background with the XYZ color 45.4505, 26.4485, 13.2992.



This preview shows how white text looks on a background with the XYZ color 45.4505, 26.4485,

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

45.4505, 26.4485, 13.2992

Protanopia

25.0488, 26.4144, 22.8471

Deuteranopia

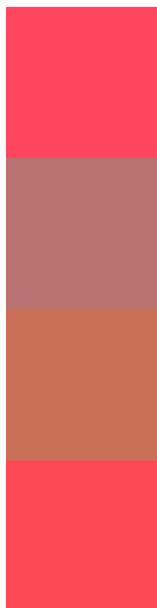
26.9594, 26.3640, 12.2622



Tritanopia

44.5951, 26.3717, 9.7610

Trichromacy



Original Color

45.4505, 26.4485, 13.2992

Protanomaly

29.3611, 23.8928, 18.6871

Deuteranomaly

31.8030, 24.6300, 12.3104

Tritanomaly

44.7517, 26.3301, 10.9072

Monochromacy



Original Color

45.4505, 26.4485, 13.2992

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

25.8656, 20.7750, 19.1697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4505, 26.4485, 13.2992 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, 70, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 70, 94)  
}
```

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, 70, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 94) }
```

Border

The CSS property to change the border of an element to XYZ 45.4505, 26.4485, 13.2992 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, 70, 94) }
```


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

```
.border{ border-color:rgb(255, 70, 94) }
```

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

Here you see how a box with a 4 pixel rgb(255, 70, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 70,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4505, 26.4485, 13.2992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 70, 94) }
```

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

```
.background{ background-color: rgb(255, 70,  
94) }
```

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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