

# Converting Colors

XYZ(43.1936, 26.3225, 13.0351)

Have a look what the booklet for  
XYZ(43.1936, 26.3225, 13.0351)  
contains.

<b>XYZ(43.1582, 26.2842, 12.9239)</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(43.1582, 26.2842,  
12.9239)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F7505C
RGB	247, 80, 92
RGB Percent	97%, 31%, 36%
CMY	0.0314, 0.6862, 0.6392
CMYK	0.00, 0.68, 0.63, 0.03
HSL	356°, 91%, 64%
HSV	356°, 68%, 97%
XYZ	43.1582, 26.2842, 12.9239
YIQ	131.3010, 95.6800, 39.1360

# Conversions

## Conversions Part 2

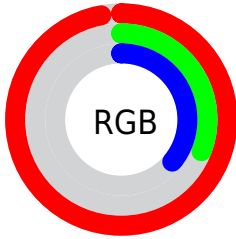
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 80, 92
Decimal	16207964
CIE <sub>Lab</sub>	58.31, 64.02, 29.82
CIE <sub>LCh</sub>	58, 70.629, 24.977
Yxy	26.2842, 0.5240, 0.3191
Android (android.graphics.Color)	4294398044 (0xFFFF7505C)
YUV	131.3010, -19.3754, 101.4680
Hunter-Lab	51.2681, 60.5445, 20.9416

# Details

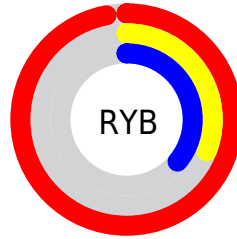
The XYZ color **43.1582, 26.2842, 12.9239** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **51.5666, 74.2258, 90.2138**, and the grayscale version is **21.7257, 22.8571, 24.8914**.

A 20% lighter version of the original color is **55.2110, 41.3900, 30.6703**, and **20.2603, 10.3876, 3.5219** is the 20% darker color. If you saturate the color by 10%, you get **40.8150, 22.9667, 7.9241**, and if you desaturate by 10%, it is **46.4701, 31.0546, 19.7426**.

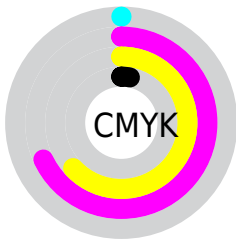
# Distribution



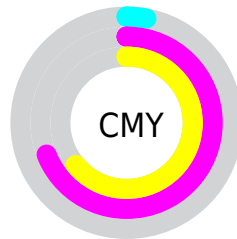
- Red (97%)
- Green (31%)
- Blue (36%)



- Red (97%)
- Yellow (31%)
- Blue (36%)



- Cyan (0%)
- Magenta (68%)
- Yellow (63%)
- Black (3%)




- Cyan (3%)
- Magenta (69%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1582, 26.2842, 12.9239 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 43.1582, 26.2842, 12.9239 by changing the saturation by 10% instead.





 43.1582, 26.2842,  
12.9239

 43.1582, 26.2842,  
12.9239


350.1725,  
284.1744, 221.6200


 30.2043, 17.0364,  
7.2461


 79.2038, 53.7331,  
31.8562

 20.1426, 10.2604,  
3.5357


 103.0262, 72.7029,  
45.9477

 12.6076, 5.5720,  
1.3742

 131.2021, 95.6822,  
63.6808

 7.2340, 2.5866,  
0.1215

 164.0969,  
123.0554, 85.4742

 3.6565, 0.9199,  
0.0000

202.0760,  
155.2068, 111.7462

 1.5097, 0.0000,  
0.0000

245.5048,

 0.3324, 0.0000,

192.5208, 142.9155

0.0000

294.7484,  
235.3819, 179.4006

■ 0.0000, 0.0000,  
0.0000

■ 43.1582, 26.2842,  
12.9239

■ 43.1582, 26.2842,  
12.9239

■ 40.8150, 22.9667,  
7.9241

■ 46.4701, 31.0546,  
19.7426

■ 39.3335, 20.9323,  
4.5673

■ 50.8389, 37.4138,  
28.5314


■ 38.5786, 19.9651,  
2.6426


■ 56.3451, 45.4873,  
39.4269


■ 38.4646, 19.8168,  
2.3587

■ 63.0608, 55.3869,  
52.5535

■ 71.0520, 67.2147,  
68.0256

 80.3801, 81.0653,  
85.9499

 91.1025, 97.0274,  
106.4265

 92.1675, 98.5140,  
108.7651

# Harmonies

## Analogous

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



45.3277, 26.2842, 32.9662



43.1582, 26.2842, 12.9239



35.7184, 26.2842, 4.7233

# Triad

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



43.1582, 26.2842, 12.9239



13.7448, 26.2842, 9.1428



23.5632, 26.2842, 106.4051

# Complementary

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



43.1582, 26.2842, 12.9239



51.5666, 74.2258, 90.2138

# 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.



16.6471, 26.2842, 87.5149



43.1582, 26.2842, 12.9239



11.8703, 26.2842, 24.6719

# Square

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



43.1582, 26.2842, 12.9239



18.6332, 26.2842, 3.5830



12.7960, 26.2842, 53.6197



32.6312, 26.2842, 96.5387



# Rectangle

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



43.1582, 26.2842, 12.9239



29.5157, 26.2842, 2.9249



12.7960, 26.2842, 53.6197



20.9387, 26.2842, 102.9960

# Sweetspot

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



43.1588, 26.2857, 12.9243



74.1764, 68.9832, 68.8621



53.2895, 29.7920, 90.9369



15.3493, 13.9841, 13.7189



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.



43.1588, 26.2857, 12.9243



43.2205, 23.7729, 7.0544



50.6469, 42.0353, 13.0358



16.5474, 16.5018, 17.3632



20.3612, 10.4879, 1.3445



1.8060, 0.9284, 0.2049



# Inverse Universe

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



43.1588, 26.2857, 12.9243



43.2205, 23.7729, 7.0544



35.9030, 40.0322, 93.8299



16.5474, 16.5018, 17.3632



20.3612, 10.4879, 1.3445



1.8060, 0.9284, 0.2049



# Previews

## White Background



This preview shows how the XYZ color 43.1582, 26.2842, 12.9239 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 43.1582, 26.2842, 12.9239 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 43.1582, 26.2842, 12.9239**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1582, 26.2842, 12.9239.



This preview shows how white text looks on a background with the XYZ color 43.1582, 26.2842,

12.9239.

# 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

43.1582, 26.2842, 12.9239

### Protanopia

24.8017, 26.3364, 20.6059

### Deuteranopia

26.8810, 26.3327, 11.8495



## Tritanopia

42.9799, 26.3309, 11.6212

# Trichromacy



## Original Color

43.1582, 26.2842, 12.9239

## Protanomaly

28.9524, 24.2299, 17.3382

## Deuteranomaly

31.2502, 24.8486, 11.9533

## Tritanomaly

43.0617, 26.3636, 12.0516

# Monochromacy



## Original Color

43.1582, 26.2842, 12.9239

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

26.2386, 21.7569, 19.6462

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1582, 26.2842, 12.9239 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(247, 80, 92)` looks like.

```
.text, #text, p{  
    color:rgb(247, 80, 92)  
}
```

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(247, 80, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 80, 92) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1582, 26.2842, 12.9239 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(247, 80, 92) }
```



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

```
.border{ border-color:rgb(247, 80, 92) }
```

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

Here you see how a box with a 4 pixel rgb(247, 80, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 80, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 80, 92);  
box-shadow:4px 4px 4px 4px rgb(247, 80,  
92) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1582, 26.2842, 12.9239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 80, 92) }
```

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

```
.background{ background-color: rgb(247, 80,  
92) }
```

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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