

Converting Colors

XYZ(45.2596, 29.7565, 15.2756)

Have a look what the booklet for
XYZ(45.2596, 29.7565, 15.2756)
contains.

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Color

**XYZ(45.0717, 29.5987,
15.1420)**

Conversions

Conversions Part 1

Format	Color
Hex	F76363
RGB	247, 99, 99
RGB Percent	97%, 39%, 39%
CMY	0.0314, 0.6117, 0.6118
CMYK	0.00, 0.60, 0.60, 0.03
HSL	0°, 90%, 68%
HSV	0°, 60%, 97%
XYZ	45.0717, 29.5987, 15.1420
YIQ	143.2520, 88.2080, 31.3760

Conversions

Conversions Part 2

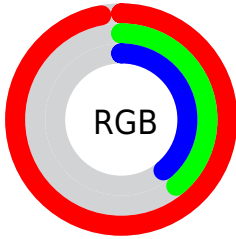
Format	Color
R_{YB}	247, 99, 99
Decimal	16212835
CIE _{Lab}	61.31, 56.69, 29.67
CIE _{LCh}	61, 63.982, 27.626
Yxy	29.5987, 0.5018, 0.3296
Android (android.graphics.Color)	4294402915 (0xFF76363)
YUV	143.2520, -21.8162, 90.9870
Hunter-Lab	54.4047, 52.6706, 21.5816

Details

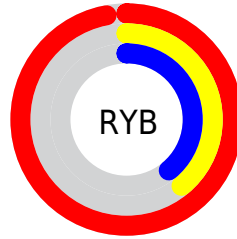
The XYZ color **45.0717, 29.5987, 15.1420** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **55.1921, 75.8840, 99.7332**, and the grayscale version is **26.2701, 27.6382, 30.0980**.

A 20% lighter version of the original color is **58.4664, 46.9047, 34.8262**, and **21.3862, 12.0798, 4.4533** is the 20% darker color. If you saturate the color by 10%, you get **42.0733, 25.2117, 9.1807**, and if you desaturate by 10%, it is **49.1478, 35.5639, 23.2439**.

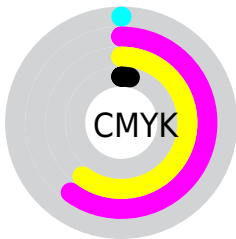
Distribution



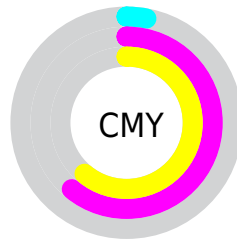
- Red (97%)
- Green (39%)
- Blue (39%)



- Red (97%)
- Yellow (39%)
- Blue (39%)



- Cyan (0%)
- Magenta (60%)
- Yellow (60%)
- Black (3%)




- Cyan (3%)
- Magenta (61%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0717, 29.5987, 15.1420 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 45.0717, 29.5987, 15.1420 by changing the saturation by 10% instead.


 45.0717, 29.5987,
15.1420


 45.0717, 29.5987,
15.1420

357.8427,
300.0294, 235.8944


 31.7154, 19.5342,
8.7714


 82.0644, 59.0270,
35.8479

 21.2987, 12.0569,
4.4976


 106.4315, 79.1595,
51.0203

 13.4562, 6.7824,
1.9021


 135.1997,
103.4169, 69.9637

 7.8226, 3.3264,
0.4941

 168.7341,
132.1834, 93.0966

 4.0325, 1.3044,
0.0000

207.4003,
165.8435, 120.8376

 1.7205, 0.1446,
0.0000

251.5636,

 0.4691, 0.0000,

204.7816, 153.6052

0.0000

301.5892,
249.3821, 191.8179

■ 0.0000, 0.0000,
0.0000

■ 45.0717, 29.5987,
15.1420

■ 45.0717, 29.5987,
15.1420

■ 42.0733, 25.2117,
9.1807

■ 49.1478, 35.5639,
23.2439

■ 40.0488, 22.2491,
5.1564

■ 54.3884, 43.2324,
33.6617

■ 38.8777, 20.5354,
2.8288

■ 60.8738, 52.7225,
46.5544

■ 38.3609, 19.7791,
1.8017

■ 68.6768, 64.1404,
62.0663

■ 38.3577, 19.7743,
1.7952

■ 77.8644, 77.5845,
80.3310

88.4991, 93.1461,
101.4726

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.



47.6292, 29.5987, 34.1888



45.0717, 29.5987, 15.1420



37.7324, 29.5987, 6.7743

Triad

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



45.0717, 29.5987, 15.1420



16.5456, 29.5987, 13.2175



27.4668, 29.5987, 104.3956

Complementary

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



45.0717, 29.5987, 15.1420



55.1921, 75.8840, 99.7332

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.



20.3171, 29.5987, 89.4647



45.0717, 29.5987, 15.1420



14.8488, 29.5987, 30.3435

Square

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



45.0717, 29.5987, 15.1420



21.2674, 29.5987, 6.1171



16.0788, 29.5987, 58.8946



36.3360, 29.5987, 93.3158

Rectangle

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



45.0717, 29.5987, 15.1420



31.7502, 29.5987, 4.8285



16.0788, 29.5987, 58.8946



24.8009, 29.5987, 102.1389

Sweetspot

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



45.0724, 29.6003, 15.1425



75.5867, 71.5197, 70.2074



59.6078, 35.4132, 91.6888



15.6055, 14.4695, 13.8879



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.



45.0724, 29.6003, 15.1425



44.6696, 26.2789, 8.7468



55.5533, 50.5621, 18.6361



16.4993, 16.4827, 17.1094



20.2863, 10.4581, 0.9494



1.7830, 0.9192, 0.0835

Inverse Universe

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



55.1921, 75.8840, 99.7332



56.4347, 80.0882, 107.0919



36.8777, 39.2552, 93.6284



16.9967, 18.7577, 21.2673



26.4672, 38.7282, 52.6183



2.3262, 3.4039, 4.6246

Previews

White Background



This preview shows how the XYZ color 45.0717, 29.5987, 15.1420 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 45.0717, 29.5987, 15.1420 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 45.0717, 29.5987, 15.1420

Background



This preview shows how black text looks on a background with the XYZ color 45.0717, 29.5987, 15.1420.



This preview shows how white text looks on a background with the XYZ color 45.0717, 29.5987,

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

45.0717, 29.5987, 15.1420

Protanopia

27.8847, 29.7040, 22.0331

Deuteranopia

30.1952, 29.7024, 14.2669



Tritanopia

45.2241, 29.5090, 16.4089

Trichromacy



Original Color

45.0717, 29.5987, 15.1420

Protanomaly

32.1425, 28.0823, 19.0556

Deuteranomaly

34.4283, 28.5853, 14.5294

Tritanomaly

45.1237, 29.4688, 15.8801

Monochromacy



Original Color

45.0717, 29.5987, 15.1420

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

30.4762, 26.5348, 23.5941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0717, 29.5987, 15.1420 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, 99, 99)` looks like.

```
.text, #text, p{  
    color:rgb(247, 99, 99)  
}
```

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, 99, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 99, 99) }
```

Border

The CSS property to change the border of an element to XYZ 45.0717, 29.5987, 15.1420 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, 99, 99) }
```


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

```
.border{ border-color:rgb(247, 99, 99) }
```

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

Here you see how a box with a 4 pixel rgb(247, 99, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 99, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 99, 99);  
box-shadow:4px 4px 4px 4px rgb(247, 99,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0717, 29.5987, 15.1420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 99, 99) }
```

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

```
.background{ background-color: rgb(247, 99,  
99) }
```

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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