

Converting Colors

XYZ(44.9234, 25.7545, 12.1700)

Have a look what the booklet for
XYZ(44.9234, 25.7545, 12.1700)
contains.

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Color

**XYZ(44.9758, 25.7788,
12.2782)**

Conversions

Conversions Part 1

Format	Color
Hex	FF415A
RGB	255, 65, 90
RGB Percent	100%, 25%, 35%
CMY	0.0000, 0.7450, 0.6471
CMYK	0.00, 0.75, 0.65, 0.00
HSL	352°, 100%, 63%
HSV	352°, 75%, 100%
XYZ	44.9758, 25.7788, 12.2782
YIQ	124.6600, 105.2150, 48.0550

Conversions

Conversions Part 2

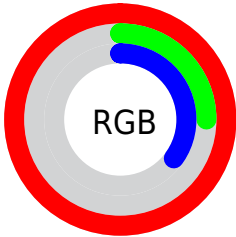
Format	Color
R_{YB}	255, 65, 90
Decimal	16728410
CIE _{Lab}	57.83, 71.41, 30.66
CIE _{LCh}	58, 77.715, 23.238
Yxy	25.7788, 0.5417, 0.3105
Android (android.graphics.Color)	4294918490 (0xFFFF415A)
YUV	124.6600, -17.0874, 114.3082
Hunter-Lab	50.7728, 69.2672, 21.2031

Details

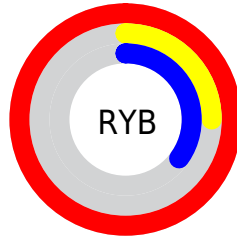
The XYZ color **44.9758, 25.7788, 12.2782** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed red. A complement of this color would be **52.2255, 78.3579, 87.2446**, and the grayscale version is **19.4115, 20.4224, 22.2400**.

A 20% lighter version of the original color is **53.5630, 38.3322, 29.3867**, and **21.9595, 11.2658, 3.4997** is the 20% darker color. If you saturate the color by 10%, you get **43.0213, 23.1605, 7.6485**, and if you desaturate by 10%, it is **47.8723, 29.8324, 18.6072**.

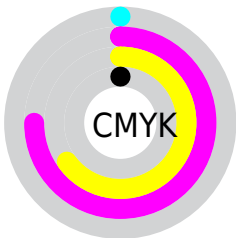
Distribution



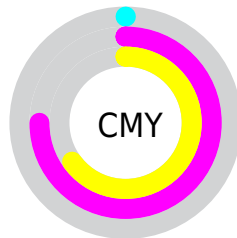
- Red (100%)
- Green (25%)
- Blue (35%)



- Red (100%)
- Yellow (25%)
- Blue (35%)



- Cyan (0%)
- Magenta (75%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (75%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9758, 25.7788, 12.2782 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 44.9758, 25.7788, 12.2782 by changing the saturation by 10% instead.


 44.9758, 25.7788,
12.2782


 44.9758, 25.7788,
12.2782


357.4609,
281.6945, 217.2813


 31.6396, 16.6582,
6.8086


 81.9214, 52.9179,
30.6727

 21.2406, 9.9911,
3.2661


 106.2614, 71.7052,
44.4347


 13.4134, 5.3931,
1.2320


 135.0001, 94.4835,
61.7980

 7.7928, 2.4797,
0.0051

 168.5029,
121.6373, 83.1810

 4.0133, 0.8664,
0.0000

 207.1349,
153.5509, 109.0022

 1.7097, 0.0000,
0.0000

251.2617,

 0.4623, 0.0000,

190.6087, 139.6804

0.0000

301.2486,
233.1951, 175.6339

■ 0.0000, 0.0000,
0.0000

■ 44.9758, 25.7788,
12.2782

■ 44.9758, 25.7788,
12.2782

■ 43.0213, 23.1605,
7.6485

■ 47.8723, 29.8324,
18.6072

■ 41.8844, 21.7693,
4.5491

■ 51.8104, 35.4834,
26.7799


■ 41.5219, 21.3727,
3.4155

■ 56.8787, 42.8768,
36.9262

■ 63.1559, 52.1404,
49.1639

■ 70.7136, 63.3898,
63.6016

 79.6177, 76.7311,
80.3403

 89.9296, 92.2632,
99.4746

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



47.0015, 25.7788, 34.5681



44.9758, 25.7788, 12.2782



36.8928, 25.7788, 3.7425

Triad

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



44.9758, 25.7788, 12.2782



12.7507, 25.7788, 7.1730



22.4484, 25.7788, 116.3333

Complementary

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



44.9758, 25.7788, 12.2782



52.2255, 78.3579, 87.2446

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.



15.2519, 25.7788, 92.6869



44.9758, 25.7788, 12.2782



10.6491, 25.7788, 22.4398

Square

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



44.9758, 25.7788, 12.2782



18.0798, 25.7788, 2.3744



11.4315, 25.7788, 53.6320



32.2891, 25.7788, 106.7694

Rectangle

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



44.9758, 25.7788, 12.2782



30.0524, 25.7788, 2.0119



11.4315, 25.7788, 53.6320



19.6808, 25.7788, 111.6831

Sweetspot

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



44.9764, 25.7803, 12.2786



72.8148, 66.5306, 67.5738



52.4677, 27.7703, 97.2021



15.0992, 13.5136, 13.5443



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.



44.9764, 25.7803, 12.2786



42.4176, 22.3973, 6.0768



50.8131, 38.8793, 9.8295



18.1066, 18.0260, 19.1785



21.7259, 11.1797, 1.9412



2.1441, 1.1000, 0.3401

Inverse Universe

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



44.9764, 25.7803, 12.2786



42.4176, 22.3973, 6.0768



37.6506, 43.1839, 100.9582



18.1066, 18.0260, 19.1785



21.7259, 11.1797, 1.9412



2.1441, 1.1000, 0.3401

Previews

White Background



This preview shows how the XYZ color 44.9758, 25.7788, 12.2782 looks on a white background.

Color Contrast Check

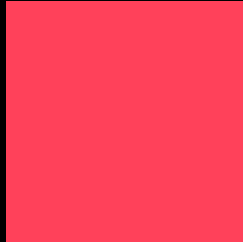
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.9758, 25.7788, 12.2782 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 44.9758, 25.7788, 12.2782

Background



This preview shows how black text looks on a background with the XYZ color 44.9758, 25.7788, 12.2782.



This preview shows how white text looks on a background with the XYZ color 44.9758, 25.7788,

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

44.9758, 25.7788, 12.2782

Protanopia

24.4768, 25.9323, 21.4847

Deuteranopia

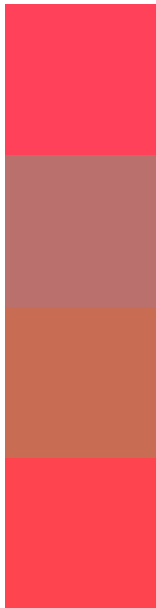
26.1977, 25.7893, 11.1865



Tritanopia

44.1385, 25.7820, 8.6113

Trichromacy



Original Color

44.9758, 25.7788, 12.2782

Protanomaly

28.8042, 23.1316, 17.4147

Deuteranomaly

30.7822, 23.6446, 11.3290

Tritanomaly

44.3153, 25.7551, 9.8433

Monochromacy



Original Color

44.9758, 25.7788, 12.2782

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

24.7881, 19.6410, 17.8138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9758, 25.7788, 12.2782 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, 65, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 65, 90)  
}
```

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, 65, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 65, 90) }
```

Border

The CSS property to change the border of an element to XYZ 44.9758, 25.7788, 12.2782 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, 65, 90) }
```


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

```
.border{ border-color:rgb(255, 65, 90) }
```

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

Here you see how a box with a 4 pixel rgb(255, 65, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 65, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 65, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 65,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9758, 25.7788, 12.2782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 65, 90) }
```

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

```
.background{ background-color: rgb(255, 65,  
90) }
```

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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