

Converting Colors

XYZ(44.6310, 24.8808, 12.8076)

Have a look what the booklet for
XYZ(44.6310, 24.8808, 12.8076)
contains.

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Color

**XYZ(44.6300, 24.8787,
12.8057)**

Conversions

Conversions Part 1

Format	Color
Hex	FF385D
RGB	255, 56, 93
RGB Percent	100%, 22%, 36%
CMY	0.0000, 0.7803, 0.6353
CMYK	0.00, 0.78, 0.64, 0.00
HSL	349°, 100%, 61%
HSV	349°, 78%, 100%
XYZ	44.6300, 24.8787, 12.8057
YIQ	119.7190, 106.7270, 53.6950

Conversions

Conversions Part 2

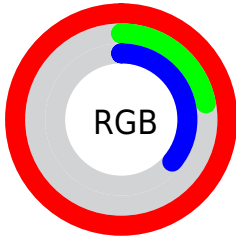
Format	Color
R _Y B	255, 56, 93
Decimal	16726109
CIE Lab	56.96, 74.16, 27.80
CIE LCh	57, 79.196, 20.549
Yxy	24.8787, 0.5422, 0.3022
Android (android.graphics.Color)	4294916189 (0xFFFF385D)
YUV	119.7190, -13.1725, 118.6414
Hunter-Lab	49.8786, 72.4296, 19.6930

Details

The XYZ color **44.6300, 24.8787, 12.8057** 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 **50.0486, 77.4237, 78.6470**, and the grayscale version is **17.7820, 18.7081, 20.3731**.

A 20% lighter version of the original color is **53.0353, 36.9179, 30.3172**, and **21.7687, 11.1605, 3.8032** is the 20% darker color. If you saturate the color by 10%, you get **42.8948, 22.6858, 8.2900**, and if you desaturate by 10%, it is **47.2444, 28.4313, 18.8460**.

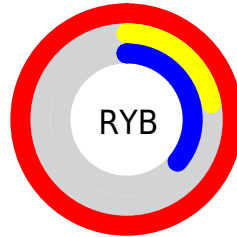
Distribution



Red (100%)

Green (22%)

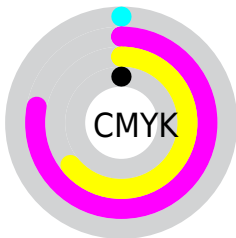
Blue (36%)



Red (100%)

Yellow (22%)

Blue (36%)

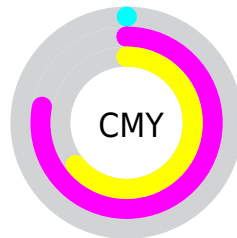


Cyan (0%)

Magenta (78%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (78%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.6300, 24.8787, 12.8057 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 44.6300, 24.8787, 12.8057 by changing the saturation by 10% instead.


 44.6300, 24.8787,
12.8057

 44.6300, 24.8787,
12.8057


356.0819,
277.2333, 220.8326


 31.3661, 15.9867,
7.1657


 81.4054, 51.4604,
31.6403


 21.0310, 9.5147,
3.4860


 105.6476, 69.9188,
45.6721


 13.2593, 5.0784,
1.3478


 134.2800, 92.3349,
63.3381

 7.6855, 2.2934,
0.1005

 167.6679,
119.0930, 85.0571

 3.9445, 0.7702,
0.0000

 206.1767,
150.5775, 111.2475

 1.6708, 0.0000,
0.0000

250.1718,

 0.4379, 0.0000,

187.1728, 142.3278

0.0000

300.0184,
229.2633, 178.7167

■ 0.0000, 0.0000,
0.0000

■ 44.6300, 24.8787,
12.8057

■ 44.6300, 24.8787,
12.8057

■ 42.8948, 22.6858,
8.2900

■ 47.2444, 28.4313,
18.8460

■ 41.9024, 21.6121,
5.1507


■ 50.8388, 33.5146,
26.5348


■ 41.7609, 21.4683,
4.6741

■ 55.5014, 40.2789,
35.9839

■ 61.3101, 48.8555,
47.2948

■ 68.3354, 59.3625,
60.5612

 76.6421, 71.9080,
75.8704

 86.2900, 86.5921,
93.3043

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.



46.0098, 24.8787, 36.3883



44.6300, 24.8787, 12.8057



36.9118, 24.8787, 3.6751

Triad

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



44.6300, 24.8787, 12.8057



12.3601, 24.8787, 5.8495



20.8326, 24.8787, 115.3933

Complementary

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



44.6300, 24.8787, 12.8057



50.0486, 77.4237, 78.6470

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.



14.0142, 24.8787, 88.9168



44.6300, 24.8787, 12.8057



10.0390, 24.8787, 19.5260

Square

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



44.6300, 24.8787, 12.8057



17.9135, 24.8787, 1.8733



10.5526, 24.8787, 49.3097



30.4881, 24.8787, 108.7930

Rectangle

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



44.6300, 24.8787, 12.8057



30.1084, 24.8787, 1.8173



10.5526, 24.8787, 49.3097



18.1823, 24.8787, 109.6430

Sweetspot

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



44.6306, 24.8802, 12.8061



72.3522, 65.4152, 68.0055



47.5489, 24.5277, 96.8355



14.8621, 13.0603, 13.4009



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.



44.6306, 24.8802, 12.8061



42.2268, 21.9349, 6.2627



48.1662, 33.9700, 7.7618



18.1473, 18.0422, 19.3926



21.8603, 11.2334, 2.6491



2.1636, 1.1078, 0.4428

Inverse Universe

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



44.6306, 24.8802, 12.8061



42.2268, 21.9349, 6.2627



39.2652, 47.2281, 101.6537



18.1473, 18.0422, 19.3926



21.8603, 11.2334, 2.6491



2.1636, 1.1078, 0.4428

Previews

White Background



This preview shows how the XYZ color 44.6300, 24.8787, 12.8057 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 44.6300, 24.8787, 12.8057 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 44.6300, 24.8787, 12.8057

Background



This preview shows how black text looks on a background with the XYZ color 44.6300, 24.8787, 12.8057.



This preview shows how white text looks on a background with the XYZ color 44.6300, 24.8787,

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

44.6300, 24.8787, 12.8057

Protanopia

23.7903, 24.8914, 23.6293

Deuteranopia

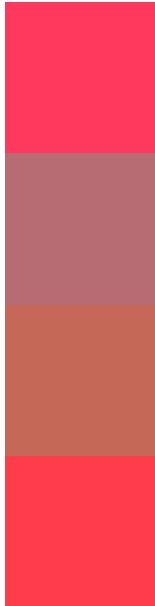
25.4035, 24.9641, 11.6633



Tritanopia

43.5211, 24.8862, 7.3602

Trichromacy



Original Color

44.6300, 24.8787, 12.8057

Protanomaly

27.8806, 21.8205, 18.9620

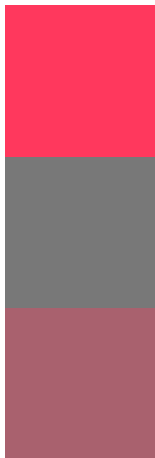
Deuteranomaly

29.9593, 22.5945, 11.7990

Tritanomaly

43.7589, 24.8105, 9.1392

Monochromacy



Original Color

44.6300, 24.8787, 12.8057

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

23.4514, 18.1102, 17.0114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6300, 24.8787, 12.8057 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, 56, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 56, 93)  
}
```

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, 56, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 56, 93) }
```

Border

The CSS property to change the border of an element to XYZ 44.6300, 24.8787, 12.8057 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, 56, 93) }
```


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

```
.border{ border-color:rgb(255, 56, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 56, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 56, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 56, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 56,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6300, 24.8787, 12.8057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 56, 93) }
```

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

```
.background{ background-color: rgb(255, 56,  
93) }
```

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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