

Converting Colors

XYZ(44.3996, 24.4180, 12.7289)

Have a look what the booklet for
XYZ(44.3996, 24.4180, 12.7289)
contains.

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Color

**XYZ(44.3996, 24.4180,
12.7289)**

Conversions

Conversions Part 1

Format	Color
Hex	FF335D
RGB	255, 51, 93
RGB Percent	100%, 20%, 36%
CMY	0.0000, 0.7999, 0.6353
CMYK	0.00, 0.80, 0.64, 0.00
HSL	348°, 100%, 60%
HSV	348°, 80%, 100%
XYZ	44.3996, 24.4180, 12.7289
YIQ	116.7840, 108.1020, 56.3100

Conversions

Conversions Part 2

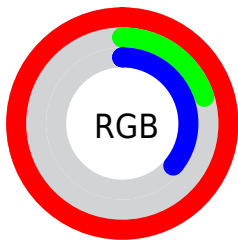
Format	Color
R_{YB}	255, 51, 93
Decimal	16724829
CIE _{Lab}	56.50, 75.44, 27.21
CIE _{LCh}	57, 80.199, 19.836
Yxy	24.4180, 0.5445, 0.2994
Android (android.graphics.Color)	4294914909 (0xFFFF335D)
YUV	116.7840, -11.7255, 121.2154
Hunter-Lab	49.4146, 73.9089, 19.3174

Details

The XYZ color **44.3996, 24.4180, 12.7289** 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 **49.1384, 77.0288, 75.2408**, and the grayscale version is **16.8560, 17.7338, 19.3121**.

A 20% lighter version of the original color is **52.5592, 35.9657, 30.1585**, and **21.7687, 11.1605, 3.8032** is the 20% darker color. If you saturate the color by 10%, you get **42.7928, 22.4552, 8.3386**, and if you desaturate by 10%, it is **46.8549, 27.6984, 18.5741**.

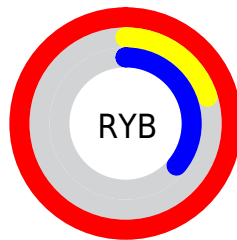
Distribution



Red (100%)

Green (20%)

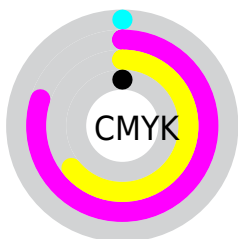
Blue (36%)



Red (100%)

Yellow (20%)

Blue (36%)

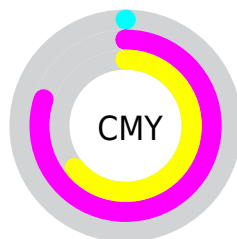


Cyan (0%)

Magenta (80%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.3996, 24.4180, 12.7289 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 44.3996, 24.4180, 12.7289 by changing the saturation by 10% instead.


 44.3996, 24.4180,
12.7289


 44.3996, 24.4180,
12.7289


355.1612,
274.9270, 220.3193

 31.1840, 15.6440,
7.1136


 81.0613, 50.7115,
31.4999


 20.8915, 9.2726,
3.4537


 105.2382, 68.9997,
45.4927


 13.1568, 4.9194,
1.3307


 133.7996, 91.2281,
63.1150

 7.6143, 2.2000,
0.0868

 167.1108,
117.7811, 84.7855

 3.8989, 0.7200,
0.0000

 205.5372,
149.0431, 110.9226

 1.6451, 0.0000,
0.0000

249.4442,

 0.4215, 0.0000,

185.3985, 141.9449

0.0000

299.1971,
227.2317, 178.2710

■ 0.0000, 0.0000,
0.0000

■ 44.3996, 24.4180,
12.7289

■ 44.3996, 24.4180,
12.7289

■ 42.7928, 22.4552,
8.3386

■ 46.8549, 27.6984,
18.5741

■ 41.8710, 21.5127,
5.2533

■ 50.2615, 32.4737,
25.9922

■ 41.8705, 21.5122,
5.2514

■ 54.7086, 38.8978,
35.0898

■ 60.2747, 47.1046,
45.9634

■ 67.0302, 57.2140,
58.7021

■ 75.0399, 69.3355,
73.3889

■ 84.3637, 83.5701,
90.1017

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



45.6121, 24.4180, 36.6778



44.3996, 24.4180, 12.7289



36.7453, 24.4180, 3.5210

Triad

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



44.3996, 24.4180, 12.7289



12.0569, 24.4180, 5.3560



20.1962, 24.4180, 115.4571

Complementary

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



44.3996, 24.4180, 12.7289



49.1384, 77.0288, 75.2408

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.



13.4867, 24.4180, 87.9978



44.3996, 24.4180, 12.7289



9.6899, 24.4180, 18.5409

Square

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



44.3996, 24.4180, 12.7289



17.6582, 24.4180, 1.6574



10.1320, 24.4180, 48.0055



29.8149, 24.4180, 109.6145

Rectangle

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



44.3996, 24.4180, 12.7289



29.9285, 24.4180, 1.6732



10.1320, 24.4180, 48.0055



17.5783, 24.4180, 109.3573

Sweetspot

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



44.4002, 24.4195, 12.7293



71.6760, 64.2301, 67.2648



46.0422, 23.4091, 96.6989



14.7386, 12.8361, 13.2895



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.



44.4002, 24.4195, 12.7293



42.1818, 21.8139, 6.3434



47.2864, 32.3965, 6.8950



18.1623, 18.0482, 19.4716



21.9210, 11.2577, 2.9686



2.1716, 1.1110, 0.4848

Inverse Universe

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



44.4002, 24.4195, 12.7293



42.1818, 21.8139, 6.3434



39.4289, 47.9498, 101.7843



18.1623, 18.0482, 19.4716



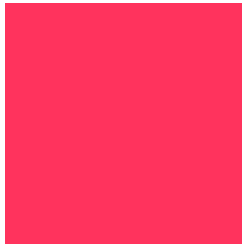
21.9210, 11.2577, 2.9686



2.1716, 1.1110, 0.4848

Previews

White Background



This preview shows how the XYZ color 44.3996, 24.4180, 12.7289 looks on a white background.

Color Contrast Check

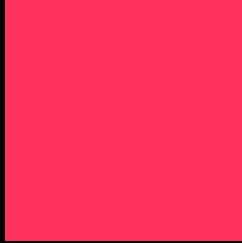
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.3996, 24.4180, 12.7289 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 44.3996, 24.4180, 12.7289

Background



This preview shows how black text looks on a background with the XYZ color 44.3996, 24.4180, 12.7289.



This preview shows how white text looks on a background with the XYZ color 44.3996, 24.4180,

12.7289.

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

44.3996, 24.4180, 12.7289

Protanopia

23.3755, 24.4619, 23.9117

Deuteranopia

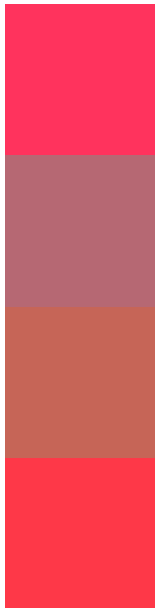
25.0610, 24.5891, 11.6089



Tritanopia

43.2526, 24.5250, 6.7291

Trichromacy



Original Color

44.3996, 24.4180, 12.7289

Protanomaly

27.3362, 21.0835, 18.8484

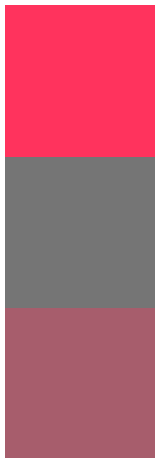
Deuteranomaly

29.6627, 22.0012, 11.7001

Tritanomaly

43.4569, 24.3671, 8.5438

Monochromacy



Original Color

44.3996, 24.4180, 12.7289

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

22.5575, 17.1269, 16.3043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3996, 24.4180, 12.7289 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, 51, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 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, 51, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 93) }
```

Border

The CSS property to change the border of an element to XYZ 44.3996, 24.4180, 12.7289 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, 51, 93) }
```


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

```
.border{ border-color:rgb(255, 51, 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, 51, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3996, 24.4180, 12.7289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 93) }
```

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

```
.background{ background-color: rgb(255, 51,  
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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