

Converting Colors

XYZ(44.2082, 24.3414, 11.7212)

Have a look what the booklet for
XYZ(44.2082, 24.3414, 11.7212)
contains.

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Color

**XYZ(44.2270, 24.3489,
11.8200)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3359
RGB	255, 51, 89
RGB Percent	100%, 20%, 35%
CMY	0.0000, 0.7999, 0.6510
CMYK	0.00, 0.80, 0.65, 0.00
HSL	349°, 100%, 60%
HSV	349°, 80%, 100%
XYZ	44.2270, 24.3489, 11.8200
YIQ	116.3280, 109.3860, 55.0660

Conversions

Conversions Part 2

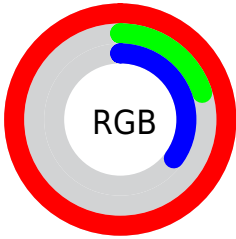
Format	Color
R_{YB}	255, 51, 89
Decimal	16724825
CIE _{Lab}	56.44, 75.23, 29.48
CIE _{LCh}	56, 80.802, 21.399
Yxy	24.3489, 0.5501, 0.3029
Android (android.graphics.Color)	4294914905 (0xFFFF3359)
YUV	116.3280, -13.4727, 121.6153
Hunter-Lab	49.3446, 73.6344, 20.3389

Details

The XYZ color **44.2270, 24.3489, 11.8200** 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 **49.6525, 77.2345, 77.9478**, and the grayscale version is **16.7201, 17.5909, 19.1564**.

A 20% lighter version of the original color is **52.2615, 35.8467, 28.5907**, and **21.6898, 11.1290, 3.3878** is the 20% darker color. If you saturate the color by 10%, you get **42.6496, 22.3979, 7.5841**, and if you desaturate by 10%, it is **46.6610, 27.6208, 17.5533**.

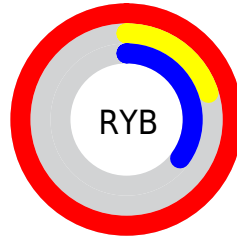
Distribution



Red (100%)

Green (20%)

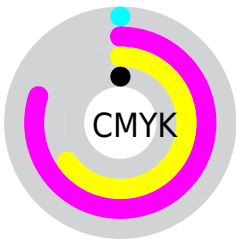
Blue (35%)



Red (100%)

Yellow (20%)

Blue (35%)

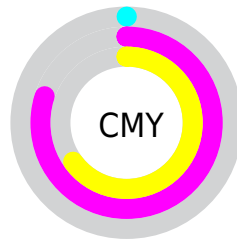


Cyan (0%)

Magenta (80%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2270, 24.3489, 11.8200 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 44.2270, 24.3489, 11.8200 by changing the saturation by 10% instead.

 44.2270, 24.3489,
11.8200


 44.2270, 24.3489,
11.8200


354.4704,
274.5797, 214.1454


 31.0477, 15.5926,
6.5002


 80.8034, 50.5990,
29.8263


 20.7872, 9.2364,
3.0779


 104.9313, 68.8615,
43.3499


 13.0801, 4.8957,
1.1345


 133.4393, 91.0617,
60.4452

 7.5611, 2.1862,
0.0000

 166.6930,
117.5838, 81.5306

 3.8648, 0.7124,
0.0000

 205.0576,
148.8123, 107.0249

 1.6260, 0.0000,
0.0000

248.8984,

 0.4092, 0.0000,

185.1315, 137.3464

0.0000

298.5809,
226.9258, 172.9137

■ 0.0000, 0.0000,
0.0000

■ 44.2270, 24.3489,
11.8200

■ 44.2270, 24.3489,
11.8200

■ 42.6496, 22.3979,
7.5841

■ 46.6610, 27.6208,
17.5533

■ 41.7631, 21.4695,
4.6851

■ 50.0561, 32.3914,
24.9108

■ 41.7626, 21.4690,
4.6835

■ 54.5029, 38.8154,
34.0066

■ 60.0810, 47.0269,
44.9439

■ 66.8621, 57.1465,
57.8176

■ 74.9120, 69.2840,
72.7160

■ 84.2915, 83.5409,
89.7220

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.



45.8426, 24.3489, 34.9765



44.2270, 24.3489, 11.8200



36.2605, 24.3489, 3.2033

Triad

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



44.2270, 24.3489, 11.8200



11.7494, 24.3489, 5.6225



20.5583, 24.3489, 116.8814

Complementary

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



44.2270, 24.3489, 11.8200



49.6525, 77.2345, 77.9478

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.



13.6454, 24.3489, 90.4886



44.2270, 24.3489, 11.8200



9.5353, 24.3489, 19.5365

Square

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



44.2270, 24.3489, 11.8200



17.1867, 24.3489, 1.6665



10.1209, 24.3489, 50.0677



30.3371, 24.3489, 109.0800

Rectangle

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



44.2270, 24.3489, 11.8200



29.3605, 24.3489, 1.5343



10.1209, 24.3489, 50.0677



17.8716, 24.3489, 111.3012

Sweetspot

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



44.2276, 24.3504, 11.8204



71.5304, 64.1718, 66.4980



47.0254, 23.9159, 96.7449



14.7045, 12.8225, 13.1097



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.



44.2276, 24.3504, 11.8204



42.0592, 21.7648, 5.6979



47.6553, 33.1343, 7.0179



18.1475, 18.0423, 19.3940



21.8613, 11.2338, 2.6543



2.1637, 1.1079, 0.4435

Inverse Universe

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



44.2276, 24.3504, 11.8204



42.0592, 21.7648, 5.6979



38.6644, 46.4210, 101.5295



18.1475, 18.0423, 19.3940



21.8613, 11.2338, 2.6543



2.1637, 1.1079, 0.4435

Previews

White Background



This preview shows how the XYZ color 44.2270, 24.3489, 11.8200 looks on a white background.

Color Contrast Check

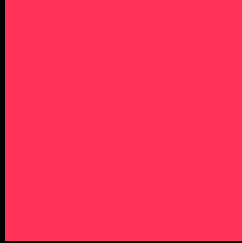
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.2270, 24.3489, 11.8200 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 44.2270, 24.3489, 11.8200

Background



This preview shows how black text looks on a background with the XYZ color 44.2270, 24.3489, 11.8200.



This preview shows how white text looks on a background with the XYZ color 44.2270, 24.3489,

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

44.2270, 24.3489, 11.8200

Protanopia

23.2236, 24.4207, 22.2285

Deuteranopia

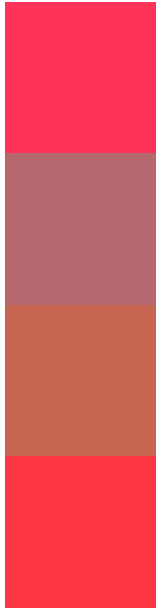
24.7425, 24.2499, 10.5844



Tritanopia

43.1755, 24.4127, 6.5742

Trichromacy



Original Color

44.2270, 24.3489, 11.8200

Protanomaly

27.1110, 20.9934, 17.6622

Deuteranomaly

29.4654, 21.9223, 10.6611

Tritanomaly

43.3447, 24.2454, 8.1897

Monochromacy



Original Color

44.2270, 24.3489, 11.8200

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

22.3650, 16.9104, 15.7209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.2270, 24.3489, 11.8200 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 89) }
```

Border

The CSS property to change the border of an element to XYZ 44.2270, 24.3489, 11.8200 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, 89) }
```


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

```
.border{ border-color:rgb(255, 51, 89) }
```

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, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 44.2270, 24.3489, 11.8200 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, 89) }
```

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

```
.background{ background-color: rgb(255, 51,  
89) }
```

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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