

Converting Colors

XYZ(44.7834, 24.5715, 14.7497)

Have a look what the booklet for
XYZ(44.7834, 24.5715, 14.7497)
contains.

XYZ(44.7728, 24.5672, 14.6941)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.7728, 24.5672,
14.6941)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3365
RGB	255, 51, 101
RGB Percent	100%, 20%, 40%
CMY	0.0000, 0.7999, 0.6039
CMYK	0.00, 0.80, 0.60, 0.00
HSL	345°, 100%, 60%
HSV	345°, 80%, 100%
XYZ	44.7728, 24.5672, 14.6941
YIQ	117.6960, 105.5340, 58.7980

Conversions

Conversions Part 2

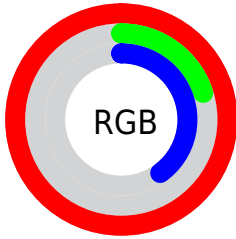
Format	Color
R_{YB}	255, 51, 101
Decimal	16724837
CIE _{Lab}	56.65, 75.89, 22.67
CIE _{LCh}	57, 79.204, 16.635
Yxy	24.5672, 0.5328, 0.2923
Android (android.graphics.Color)	4294914917 (0xFFFF3365)
YUV	117.6960, -8.2311, 120.4156
Hunter-Lab	49.5653, 74.5014, 17.1186

Details

The XYZ color **44.7728, 24.5672, 14.6941** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **48.1474, 76.6325, 70.0218**, and the grayscale version is **17.1291, 18.0211, 19.6250**.

A 20% lighter version of the original color is **53.3859, 36.4839, 33.9341**, and **22.1754, 11.3522, 4.6368** is the 20% darker color. If you saturate the color by 10%, you get **43.1121, 22.5829, 10.0193**, and if you desaturate by 10%, it is **47.2655, 27.8625, 20.7365**.

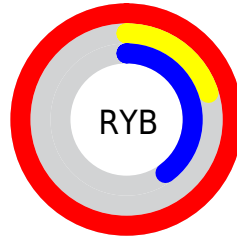
Distribution



Red (100%)

Green (20%)

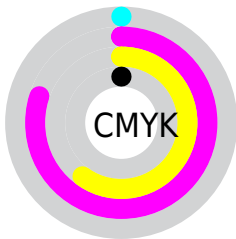
Blue (40%)



Red (100%)

Yellow (20%)

Blue (40%)

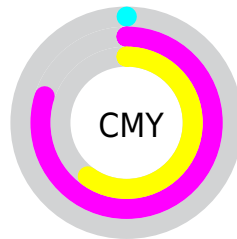


Cyan (0%)

Magenta (80%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.7728, 24.5672, 14.6941 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 44.7728, 24.5672, 14.6941 by changing the saturation by 10% instead.


 44.7728, 24.5672,
14.6941


 44.7728, 24.5672,
14.6941


356.6518,
275.6756, 233.0838


 31.4790, 15.7549,
8.4608


 81.6185, 50.9542,
35.0503

 21.1175, 9.3509,
4.2992


 105.9012, 69.2977,
50.0103


 13.3229, 4.9708,
1.7909


 134.5775, 91.5871,
68.7162

 7.7298, 2.2301,
0.4219

 168.0129,
118.2067, 91.5866

 3.9729, 0.7363,
0.0000

 206.5727,
149.5410, 119.0400

 1.6868, 0.0000,
0.0000

250.6222,

 0.4480, 0.0000,

185.9743, 151.4950

0.0000

300.5268,
227.8911, 189.3700

■ 0.0000, 0.0000,
0.0000

■ 44.7728, 24.5672,
14.6941

■ 44.7728, 24.5672,
14.6941

■ 43.1121, 22.5829,
10.0193

■ 47.2655, 27.8625,
20.7365

■ 42.1232, 21.6136,
6.5810

■ 50.6900, 32.6449,
28.2489

■ 42.1227, 21.6130,
6.5791

■ 55.1329, 39.0673,
37.3245

■ 60.6704, 47.2626,
48.0479

■ 67.3709, 57.3499,
60.4973

■ 75.2974, 69.4380,
74.7460

■ 84.5080, 83.6273,
90.8627

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.



45.1779, 24.5672, 40.2764



44.7728, 24.5672, 14.6941



37.7512, 24.5672, 4.2194

Triad

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



44.7728, 24.5672, 14.6941



12.6930, 24.5672, 4.8459



19.4897, 24.5672, 112.7156

Complementary

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



44.7728, 24.5672, 14.6941



48.1474, 76.6325, 70.0218

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.



13.1752, 24.5672, 83.1946



44.7728, 24.5672, 14.6941



10.0064, 24.5672, 16.6512

Square

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



44.7728, 24.5672, 14.6941



18.6366, 24.5672, 1.6380



10.1559, 24.5672, 44.0638



28.7986, 24.5672, 110.7716

Rectangle

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



44.7728, 24.5672, 14.6941



31.1053, 24.5672, 1.9753



10.1559, 24.5672, 44.0638



17.0051, 24.5672, 105.6006

Sweetspot

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



44.7734, 24.5687, 14.6945



71.9707, 64.3480, 68.8166



44.1374, 22.4271, 96.6099



14.8079, 12.8638, 13.6541



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.



44.7734, 24.5687, 14.6945



42.4621, 21.9260, 7.8192



46.5904, 31.0043, 6.6628



18.1919, 18.0601, 19.6275



22.0591, 11.3129, 3.6959



2.1888, 1.1179, 0.5759

Inverse Universe

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



44.7734, 24.5687, 14.6945



42.4621, 21.9260, 7.8192



41.0098, 51.1118, 102.3114



18.1919, 18.0601, 19.6275



22.0591, 11.3129, 3.6959



2.1888, 1.1179, 0.5759

Previews

White Background



This preview shows how the XYZ color 44.7728, 24.5672, 14.6941 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 44.7728, 24.5672, 14.6941 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 44.7728, 24.5672, 14.6941

Background



This preview shows how black text looks on a background with the XYZ color 44.7728, 24.5672, 14.6941.



This preview shows how white text looks on a background with the XYZ color 44.7728, 24.5672,

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

44.7728, 24.5672, 14.6941

Protanopia

23.8054, 24.5953, 27.9188

Deuteranopia

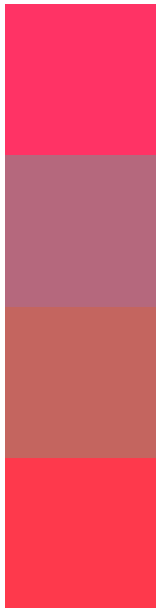
24.9752, 24.5071, 13.3115



Tritanopia

42.9934, 24.4622, 7.0131

Trichromacy



Original Color

44.7728, 24.5672, 14.6941

Protanomaly

27.7080, 21.2051, 22.0346

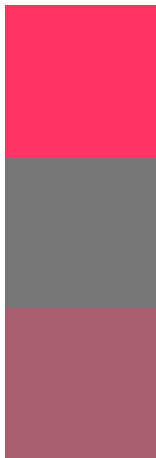
Deuteranomaly

29.4842, 21.8693, 13.4937

Tritanomaly

43.6407, 24.5189, 9.2700

Monochromacy



Original Color

44.7728, 24.5672, 14.6941

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

23.0758, 17.5001, 17.4909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7728, 24.5672, 14.6941 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 101) }
```

Border

The CSS property to change the border of an element to XYZ 44.7728, 24.5672, 14.6941 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, 101) }
```


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

```
.border{ border-color:rgb(255, 51, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 51, 101); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 51, 101); box-shadow:4px 4px 4px 4px rgb(255, 51, 101) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7728, 24.5672, 14.6941 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, 101) }
```

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

```
.background{ background-color: rgb(255, 51,  
101) }
```

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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