

Converting Colors

XYZ(43.4649, 24.0441, 7.8071)

Have a look what the booklet for
XYZ(43.4649, 24.0441, 7.8071)
contains.

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Color

**XYZ(43.4672, 24.0450,
7.8190)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3344
RGB	255, 51, 68
RGB Percent	100%, 20%, 27%
CMY	0.0000, 0.7999, 0.7333
CMYK	0.00, 0.80, 0.73, 0.00
HSL	355°, 100%, 60%
HSV	355°, 80%, 100%
XYZ	43.4672, 24.0450, 7.8190
YIQ	113.9340, 116.1270, 48.5350

Conversions

Conversions Part 2

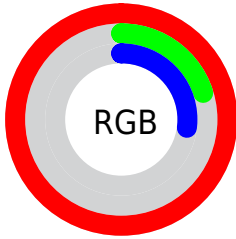
Format	Color
R_{YB}	255, 51, 68
Decimal	16724804
CIE _{Lab}	56.13, 74.30, 41.24
CIE _{LCh}	56, 84.980, 29.029
Yxy	24.0450, 0.5770, 0.3192
Android (android.graphics.Color)	4294914884 (0xFFFF3344)
YUV	113.9340, -22.6455, 123.7149
Hunter-Lab	49.0357, 72.4170, 24.8709

Details

The XYZ color **43.4672, 24.0450, 7.8190** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **52.5610, 78.3978, 93.2642**, and the grayscale version is **16.0182, 16.8524, 18.3523**.

A 20% lighter version of the original color is **50.7537, 35.2435, 20.6507**, and **21.1511, 10.8848, 1.8503** is the 20% darker color. If you saturate the color by 10%, you get **42.0650, 22.1641, 4.5058**, and if you desaturate by 10%, it is **45.7647, 27.2623, 12.8332**.

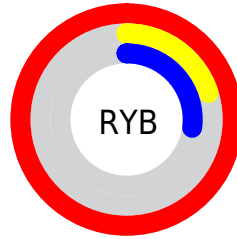
Distribution



Red (100%)

Green (20%)

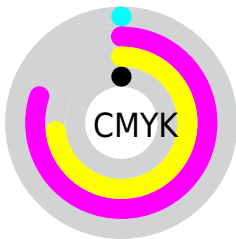
Blue (27%)



Red (100%)

Yellow (20%)

Blue (27%)

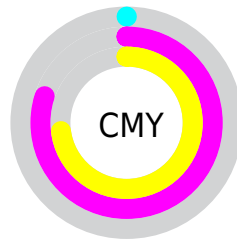


Cyan (0%)

Magenta (80%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.4672, 24.0450, 7.8190 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 43.4672, 24.0450, 7.8190 by changing the saturation by 10% instead.

 43.4672, 24.0450,
7.8190

 43.4672, 24.0450,
7.8190


351.4186,
273.0479, 184.1866


 30.4480, 15.3670,
3.8932


 79.6667, 50.1036,
22.1431


 20.3286, 9.0774,
1.5670


 103.5777, 68.2530,
33.3786

 12.7438, 4.7917,
0.2671


 131.8501, 90.3284,
47.8877

 7.3281, 2.1256,
0.0000

 164.8490,
116.7141, 66.0889

 3.7163, 0.6789,
0.0000

 202.9400,
147.7945, 88.4009

 1.5429, 0.0000,
0.0000

246.4884,

 0.3548, 0.0000,

183.9540, 115.2422

0.0000

295.8595,
225.5770, 147.0312

■ 0.0000, 0.0000,
0.0000

■ 43.4672, 24.0450,
7.8190

■ 43.4672, 24.0450,
7.8190

■ 42.0650, 22.1641,
4.5058

■ 45.7647, 27.2623,
12.8332

■ 41.3776, 21.3153,
2.6549


■ 49.0733, 31.9983,
19.7355


■ 41.3772, 21.3148,
2.6540

■ 53.4931, 38.4116,
28.6894

■ 59.1119, 46.6394,
39.8405

■ 66.0082, 56.8051,
53.3210

 74.2543, 69.0211,
69.2526

 83.9168, 83.3912,
87.7488

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



47.1777, 24.0450, 27.1013



43.4672, 24.0450, 7.8190



33.9175, 24.0450, 1.8594

Triad

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



43.4672, 24.0450, 7.8190



10.2577, 24.0450, 7.1359



22.5379, 24.0450, 124.8518

Complementary

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



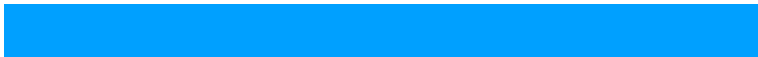
43.4672, 24.0450, 7.8190



52.5610, 78.3978, 93.2642

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.



14.5034, 24.0450, 104.4230



43.4672, 24.0450, 7.8190



8.7713, 24.0450, 25.2817

Square

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



43.4672, 24.0450, 7.8190



14.9135, 24.0450, 1.7077



10.0726, 24.0450, 61.8127



33.2067, 24.0450, 106.7278

Rectangle

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



43.4672, 24.0450, 7.8190



26.6092, 24.0450, 0.9336



10.0726, 24.0450, 61.8127



19.4699, 24.0450, 122.1148

Sweetspot

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



43.4677, 24.0465, 7.8193



70.7839, 63.8733, 62.5670



54.4947, 27.7665, 97.0943



14.5303, 12.7528, 12.1923



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.



43.4677, 24.0465, 7.8193



41.5925, 21.5782, 3.2403



50.6433, 39.1103, 8.0139



18.0707, 18.0116, 18.9897



21.6417, 11.1460, 1.4979



2.1272, 1.0933, 0.2513

Inverse Universe

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



43.4677, 24.0465, 7.8193



41.5925, 21.5782, 3.2403



33.7921, 36.6764, 99.9053



18.0707, 18.0116, 18.9897



21.6417, 11.1460, 1.4979



2.1272, 1.0933, 0.2513

Previews

White Background



This preview shows how the XYZ color 43.4672, 24.0450, 7.8190 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



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 43.4672, 24.0450, 7.8190

Background



This preview shows how black text looks on a background with the XYZ color 43.4672, 24.0450, 7.8190.



This preview shows how white text looks on a background with the XYZ color 43.4672, 24.0450,

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

43.4672, 24.0450, 7.8190

Protanopia

22.4523, 24.1922, 14.5525

Deuteranopia

24.5572, 24.0390, 6.9601



Tritanopia

43.2250, 24.1647, 5.8761

Trichromacy



Original Color

43.4672, 24.0450, 7.8190

Protanomaly

26.6376, 20.8868, 11.4317

Deuteranomaly

29.1922, 21.7199, 6.9287

Tritanomaly

43.3025, 24.1220, 6.5114

Monochromacy



Original Color

43.4672, 24.0450, 7.8190

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

21.4158, 16.3446, 13.3353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.4672, 24.0450, 7.8190 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 68) }
```

Border

The CSS property to change the border of an element to XYZ 43.4672, 24.0450, 7.8190 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, 68) }
```


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

```
.border{ border-color:rgb(255, 51, 68) }
```

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, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 43.4672, 24.0450, 7.8190 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, 68) }
```

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

```
.background{ background-color: rgb(255, 51,  
68) }
```

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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