

Converting Colors

XYZ(43.8067, 24.1814, 9.6050)

Have a look what the booklet for
XYZ(43.8067, 24.1814, 9.6050)
contains.

XYZ(43.7990, 24.1777, 9.5660)	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(43.7990, 24.1777,
9.5660)**

Conversions

Conversions Part 1

Format	Color
Hex	FF334E
RGB	255, 51, 78
RGB Percent	100%, 20%, 31%
CMY	0.0000, 0.7999, 0.6941
CMYK	0.00, 0.80, 0.69, 0.00
HSL	352°, 100%, 60%
HSV	352°, 80%, 100%
XYZ	43.7990, 24.1777, 9.5660
YIQ	115.0740, 112.9170, 51.6450

Conversions

Conversions Part 2

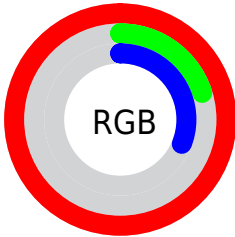
Format	Color
R_{YB}	255, 51, 78
Decimal	16724814
CIE _{Lab}	56.27, 74.71, 35.68
CIE _{LCh}	56, 82.796, 25.531
Yxy	24.1777, 0.5648, 0.3118
Android (android.graphics.Color)	4294914894 (0xFFFF334E)
YUV	115.0740, -18.2775, 122.7151
Hunter-Lab	49.1708, 72.9503, 22.8849

Details

The XYZ color **43.7990, 24.1777, 9.5660** 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 **51.1319, 77.8263, 85.7382**, and the grayscale version is **16.3502, 17.2017, 18.7327**.

A 20% lighter version of the original color is **51.4321, 35.5149, 24.2230**, and **21.5239, 11.0626, 2.5142** is the 20% darker color. If you saturate the color by 10%, you get **42.3093, 22.2618, 5.7922**, and if you desaturate by 10%, it is **46.1665, 27.4230, 14.9488**.

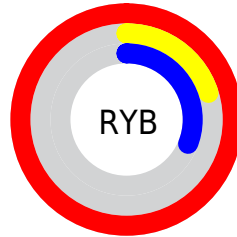
Distribution



Red (100%)

Green (20%)

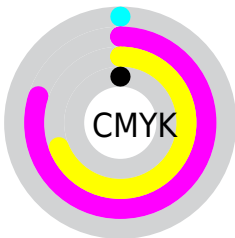
Blue (31%)



Red (100%)

Yellow (20%)

Blue (31%)

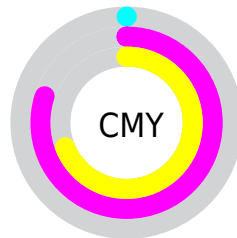


Cyan (0%)

Magenta (80%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7990, 24.1777, 9.5660 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 43.7990, 24.1777, 9.5660 by changing the saturation by 10% instead.


 43.7990, 24.1777,
9.5660


 43.7990, 24.1777,
9.5660


352.7535,
273.7176, 197.9168


 30.7098, 15.4655,
5.0103


 80.1634, 50.3200,
25.5709


 20.5287, 9.1467,
2.1945


 104.1693, 68.5189,
37.8571

 12.8904, 4.8370,
0.6712


 132.5448, 90.6489,
53.5574

 7.4296, 2.1519,
0.0000

 165.6552,
117.0942, 73.0901

 3.7809, 0.6936,
0.0000

 203.8659,
148.2394, 96.8739

 1.5789, 0.0000,
0.0000

247.5423,

 0.3786, 0.0000,

184.4687, 125.3272

0.0000

297.0497,
226.1667, 158.8687

■ 0.0000, 0.0000,
0.0000

■ 43.7990, 24.1777,
9.5660

■ 43.7990, 24.1777,
9.5660

■ 42.3093, 22.2618,
5.7922

■ 46.1665, 27.4230,
14.9488

■ 41.5251, 21.3743,
3.4313

■ 49.5215, 32.1776,
22.0958

■ 41.5246, 21.3738,
3.4301

■ 53.9594, 38.5980,
31.1446

■ 59.5635, 46.8200,
42.2189

■ 66.4090, 56.9653,
55.4317

■ 74.5648, 69.1452,
70.8877

■ 84.0945, 83.4621,
88.6847

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.



46.5184, 24.1777, 30.6304



43.7990, 24.1777, 9.5660



34.9899, 24.1777, 2.4334

Triad

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



43.7990, 24.1777, 9.5660



10.9414, 24.1777, 6.3934



21.5816, 24.1777, 120.9651

Complementary

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



43.7990, 24.1777, 9.5660



51.1319, 77.8263, 85.7382

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.



14.0909, 24.1777, 97.6252



43.7990, 24.1777, 9.5660



9.1246, 24.1777, 22.4439

Square

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



43.7990, 24.1777, 9.5660



15.9525, 24.1777, 1.6895



10.0936, 24.1777, 56.0413



31.8175, 24.1777, 107.7547

Rectangle

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



43.7990, 24.1777, 9.5660



27.8697, 24.1777, 1.1933



10.0936, 24.1777, 56.0413



18.6989, 24.1777, 116.8528

Sweetspot

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



43.7996, 24.1792, 9.5664



71.1356, 64.0139, 64.4189



51.1666, 26.0508, 96.9388



14.6122, 12.7855, 12.6236



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.



43.7996, 24.1792, 9.5664



41.7791, 21.6528, 4.2229



49.2744, 36.3725, 7.5576



18.1072, 18.0262, 19.1815



21.7275, 11.1803, 1.9495



2.1443, 1.1001, 0.3415

Inverse Universe

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



43.7996, 24.1792, 9.5664



41.7791, 21.6528, 4.2229



35.7790, 40.6501, 100.5677



18.1072, 18.0262, 19.1815



21.7275, 11.1803, 1.9495



2.1443, 1.1001, 0.3415

Previews

White Background



This preview shows how the XYZ color 43.7990, 24.1777, 9.5660 looks on a white background.

Color Contrast Check

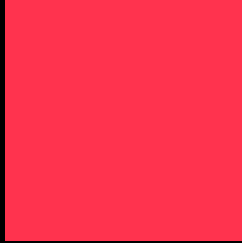
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.7990, 24.1777, 9.5660 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 43.7990, 24.1777, 9.5660

Background



This preview shows how black text looks on a background with the XYZ color 43.7990, 24.1777, 9.5660.



This preview shows how white text looks on a background with the XYZ color 43.7990, 24.1777,

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

43.7990, 24.1777, 9.5660

Protanopia

22.7520, 24.2717, 17.9537

Deuteranopia

24.7997, 24.3213, 8.6976



Tritanopia

42.9530, 24.0887, 6.1271

Trichromacy



Original Color

43.7990, 24.1777, 9.5660

Protanomaly

26.9221, 20.9728, 14.1845

Deuteranomaly

29.3442, 21.9044, 8.6426

Tritanomaly

43.1176, 24.0793, 7.2257

Monochromacy



Original Color

43.7990, 24.1777, 9.5660

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

21.9513, 16.7206, 14.6408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7990, 24.1777, 9.5660 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 78) }
```

Border

The CSS property to change the border of an element to XYZ 43.7990, 24.1777, 9.5660 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, 78) }
```


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

```
.border{ border-color:rgb(255, 51, 78) }
```

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, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7990, 24.1777, 9.5660 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, 78) }
```

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

```
.background{ background-color: rgb(255, 51,  
78) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor