

Converting Colors

XYZ(43.7674, 24.9581, 6.9551)

Have a look what the booklet for
XYZ(43.7674, 24.9581, 6.9551)
contains.

XYZ(43.7510, 24.9344, 6.9218)	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(43.7510, 24.9344,
6.9218)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3D3D
RGB	255, 61, 61
RGB Percent	100%, 24%, 24%
CMY	0.0000, 0.7607, 0.7608
CMYK	0.00, 0.76, 0.76, 0.00
HSL	0°, 100%, 62%
HSV	0°, 76%, 100%
XYZ	43.7510, 24.9344, 6.9218
YIQ	119.0060, 115.6240, 41.1280

Conversions

Conversions Part 2

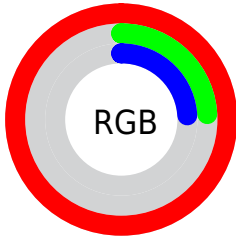
Format	Color
RYB	255, 61, 61
Decimal	16727357
CIELab	57.01, 71.35, 46.06
CIElCh	57, 84.929, 32.843
Yxy	24.9344, 0.5787, 0.3298
Android (android.graphics.Color)	4294917437 (0xFFFF3D3D)
YUV	119.0060, -28.5970, 119.2667
Hunter-Lab	49.9344, 69.0113, 26.7354

Details

The XYZ color **43.7510, 24.9344, 6.9218** 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 **55.7293, 79.7220, 107.0576**, and the grayscale version is **17.6006, 18.5172, 20.1652**.

A 20% lighter version of the original color is **51.0833, 36.5300, 18.8266**, and **21.0798, 10.8562, 1.4746** is the 20% darker color. If you saturate the color by 10%, you get **42.1669, 22.6169, 3.7725**, and if you desaturate by 10%, it is **46.3086, 28.6777, 12.0049**.

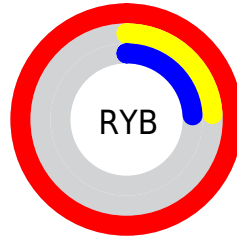
Distribution



Red (100%)

Green (24%)

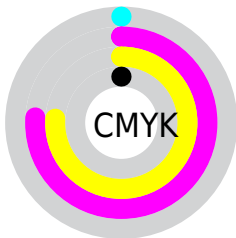
Blue (24%)



Red (100%)

Yellow (24%)

Blue (24%)

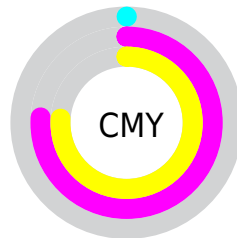


Cyan (0%)

Magenta (76%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (76%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7510, 24.9344, 6.9218 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 43.7510, 24.9344, 6.9218 by changing the saturation by 10% instead.

 43.7510, 24.9344,
6.9218


 43.7510, 24.9344,
6.9218


352.5606,
277.5111, 176.6185


 30.6719, 16.0282,
3.3355


 80.0916, 51.5508,
20.3259


 20.4997, 9.5441,
1.2684


 104.0838, 70.0297,
30.9808


 12.8692, 5.0977,
0.0357


 132.4444, 92.4684,
44.8290

 7.4149, 2.3047,
0.0000

 165.5387,
119.2512, 62.2891

 3.7715, 0.7762,
0.0000

 203.7321,
150.7624, 83.7795

 1.5737, 0.0000,
0.0000

 247.3900,

 0.3752, 0.0000,

187.3866, 109.7189

0.0000

296.8777,
229.5080, 140.5257

■ 0.0000, 0.0000,
0.0000

■ 43.7510, 24.9344,
6.9218

■ 43.7510, 24.9344,
6.9218

■ 42.1669, 22.6169,
3.7725

■ 46.3086, 28.6777,
12.0049

■ 41.4032, 21.4992,
2.2548


■ 49.9598, 34.0206,
19.2629


■ 41.2398, 21.2602,
1.9301

■ 54.8093, 41.1169,
28.9033

■ 60.9491, 50.1013,
41.1088

■ 68.4622, 61.0951,
56.0445

 77.4247, 74.2098,
73.8618

 87.9072, 89.5485,
94.7008

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



48.4925, 24.9344, 24.5137



43.7510, 24.9344, 6.9218



33.5800, 24.9344, 1.7336

Triad

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



43.7510, 24.9344, 6.9218



10.3985, 24.9344, 8.9989



24.6640, 24.9344, 127.3225

Complementary

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



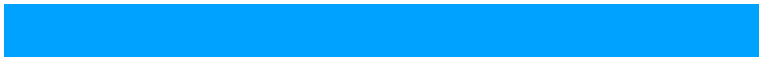
43.7510, 24.9344, 6.9218



55.7293, 79.7220, 107.0576

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.



15.9763, 24.9344, 111.2664



43.7510, 24.9344, 6.9218



9.2370, 24.9344, 29.9674

Square

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



43.7510, 24.9344, 6.9218



14.7420, 24.9344, 2.2066



10.9578, 24.9344, 69.1866



35.7029, 24.9344, 104.4306

Rectangle

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



43.7510, 24.9344, 6.9218



26.1711, 24.9344, 0.9808



10.9578, 24.9344, 69.1866



21.3885, 24.9344, 126.3152

Sweetspot

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



43.7516, 24.9359, 6.9222



71.0637, 64.9014, 61.2154



60.9583, 31.8173, 97.5354



14.5602, 12.9399, 11.8097



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.



43.7516, 24.9359, 6.9222



41.6999, 21.9332, 2.8437



54.3088, 46.0505, 10.4413



18.0096, 17.9873, 18.6670



21.5489, 11.1091, 1.0085



2.0982, 1.0817, 0.0982

Inverse Universe

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



55.7293, 79.7220, 107.0576



54.1566, 78.9103, 106.9846



32.2012, 32.6658, 99.2149



18.5548, 20.4813, 23.2253



28.1137, 41.1370, 55.8931



2.7374, 4.0054, 5.4421

Previews

White Background



This preview shows how the XYZ color 43.7510, 24.9344, 6.9218 looks on a white background.

Color Contrast Check

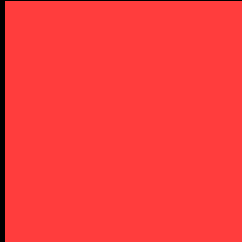
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.7510, 24.9344, 6.9218 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 43.7510, 24.9344, 6.9218

Background



This preview shows how black text looks on a background with the XYZ color 43.7510, 24.9344, 6.9218.



This preview shows how white text looks on a background with the XYZ color 43.7510, 24.9344,

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

43.7510, 24.9344, 6.9218

Protanopia

23.1630, 25.0312, 12.2050

Deuteranopia

25.2903, 24.8284, 6.1487



Tritanopia

43.7782, 24.9453, 7.0650

Trichromacy



Original Color

43.7510, 24.9344, 6.9218

Protanomaly

27.5122, 22.1504, 9.6629

Deuteranomaly

30.0285, 22.9076, 6.0878

Tritanomaly

43.7782, 24.9453, 7.0650

Monochromacy



Original Color

43.7510, 24.9344, 6.9218

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

22.7207, 17.9420, 13.8209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7510, 24.9344, 6.9218 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, 61, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 61, 61)  
}
```

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, 61, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 61, 61) }
```

Border

The CSS property to change the border of an element to XYZ 43.7510, 24.9344, 6.9218 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, 61, 61) }
```


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

```
.border{ border-color:rgb(255, 61, 61) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 61, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 61, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 61, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 61,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7510, 24.9344, 6.9218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 61, 61) }
```

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

```
.background{ background-color: rgb(255, 61,  
61) }
```

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