

Converting Colors

XYZ(44.2019, 25.5966, 7.8122)

Have a look what the booklet for
XYZ(44.2019, 25.5966, 7.8122)
contains.

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Color

**XYZ(44.1716, 25.5498,
7.7578)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4242
RGB	255, 66, 66
RGB Percent	100%, 26%, 26%
CMY	0.0000, 0.7411, 0.7412
CMYK	0.00, 0.74, 0.74, 0.00
HSL	0°, 100%, 63%
HSV	0°, 74%, 100%
XYZ	44.1716, 25.5498, 7.7578
YIQ	122.5110, 112.6440, 40.0680

Conversions

Conversions Part 2

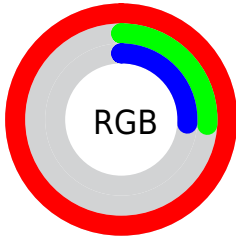
Format	Color
R_{YB}	255, 66, 66
Decimal	16728642
CIE Lab	57.61, 70.02, 44.00
CIE LCh	58, 82.694, 32.143
Yxy	25.5498, 0.5701, 0.3298
Android (android.graphics.Color)	4294918722 (0xFFFF4242)
YUV	122.5110, -27.8599, 116.1929
Hunter-Lab	50.5468, 67.5298, 26.2831

Details

The XYZ color **44.1716, 25.5498, 7.7578** 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 **56.0521, 79.8891, 107.0730**, and the grayscale version is **18.7305, 19.7059, 21.4598**.

A 20% lighter version of the original color is **51.9239, 37.6765, 20.7553**, and **21.3800, 11.0051, 1.7564** is the 20% darker color. If you saturate the color by 10%, you get **42.4076, 22.9691, 4.2508**, and if you desaturate by 10%, it is **46.9348, 29.5940, 13.2497**.

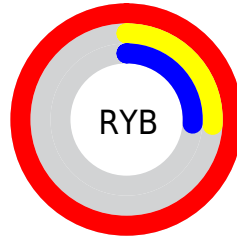
Distribution



Red (100%)

Green (26%)

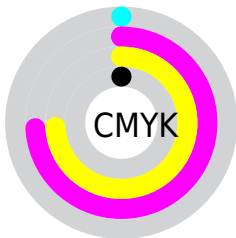
Blue (26%)



Red (100%)

Yellow (26%)

Blue (26%)

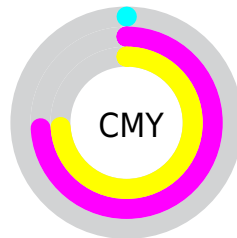


Cyan (0%)

Magenta (74%)

Yellow (74%)

Black (0%)



Cyan (0%)


Magenta (74%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.1716, 25.5498, 7.7578 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 44.1716, 25.5498, 7.7578 by changing the saturation by 10% instead.


 44.1716, 25.5498,
7.7578


 44.1716, 25.5498,
7.7578


354.2485,
280.5650, 183.6829


 31.0039, 16.4871,
3.8548


 80.7206, 52.5478,
22.0205

 20.7537, 9.8695,
1.5460


 104.8327, 71.2519,
33.2174

 13.0555, 5.3125,
0.2519


 133.3237, 93.9386,
47.6825

 7.5440, 2.4318,
0.0000

 166.5588,
120.9923, 65.8346

 3.8539, 0.8422,
0.0000

 204.9035,
152.7974, 88.0922

 1.6198, 0.0000,
0.0000

 248.7231,

 0.4053, 0.0000,

189.7383, 114.8737

0.0000

298.3830,
232.1994, 146.5978

■ 0.0000, 0.0000,
0.0000

■ 44.1716, 25.5498,
7.7578

■ 44.1716, 25.5498,
7.7578

■ 42.4076, 22.9691,
4.2508

■ 46.9348, 29.5940,
13.2497

■ 41.4970, 21.6365,
2.4411

■ 50.8132, 35.2693,
20.9594

■ 41.2399, 21.2602,
1.9301

■ 55.9088, 42.7257,
31.0889

■ 62.3116, 52.0948,
43.8173

■ 70.1031, 63.4961,
59.3065

■ 79.3583, 77.0390,
77.7056

■ 90.1467, 92.8254,
99.1528

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



48.6308, 25.5498, 25.8351



44.1716, 25.5498, 7.7578



34.2815, 25.5498, 2.1192

Triad

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



44.1716, 25.5498, 7.7578



11.0677, 25.5498, 9.3603



25.0013, 25.5498, 125.2289

Complementary

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



44.1716, 25.5498, 7.7578



56.0521, 79.8891, 107.0730

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.



16.4483, 25.5498, 108.9161



44.1716, 25.5498, 7.7578



9.8223, 25.5498, 29.9027

Square

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



44.1716, 25.5498, 7.7578



15.5180, 25.5498, 2.5060



11.4936, 25.5498, 67.9414



35.8524, 25.5498, 103.9427

Rectangle

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



44.1716, 25.5498, 7.7578



26.9737, 25.5498, 1.2395



11.4936, 25.5498, 67.9414



21.7799, 25.5498, 123.9451

Sweetspot

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



44.1722, 25.5513, 7.7582



71.9385, 66.1816, 62.9547



61.2379, 32.3763, 97.6287



14.8973, 13.4332, 12.4799



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.



44.1722, 25.5513, 7.7582



41.8670, 22.1777, 3.1758



54.8808, 46.9686, 11.3277



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.



56.0521, 79.8891, 107.0730



54.2851, 78.9772, 106.9908



32.9544, 33.6936, 99.3737



18.5548, 20.4813, 23.2253



28.1139, 41.1374, 55.8931



2.7374, 4.0055, 5.4421

Previews

White Background



This preview shows how the XYZ color 44.1716, 25.5498, 7.7578 looks on a white background.

Color Contrast Check

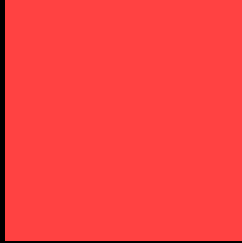
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.1716, 25.5498, 7.7578 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 44.1716, 25.5498, 7.7578

Background



This preview shows how black text looks on a background with the XYZ color 44.1716, 25.5498, 7.7578.



This preview shows how white text looks on a background with the XYZ color 44.1716, 25.5498,

7.7578.

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

44.1716, 25.5498, 7.7578

Protanopia

23.8406, 25.7827, 13.3929

Deuteranopia

26.1507, 25.6531, 7.0633



Tritanopia

44.2316, 25.5738, 8.0738

Trichromacy



Original Color

44.1716, 25.5498, 7.7578

Protanomaly

28.2656, 23.0012, 10.7345

Deuteranomaly

30.7549, 23.7271, 6.9618

Tritanomaly

44.2013, 25.5617, 7.9144

Monochromacy



Original Color

44.1716, 25.5498, 7.7578

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

23.9442, 19.1200, 14.9989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.1716, 25.5498, 7.7578 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, 66, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 66, 66)  
}
```

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, 66, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 66, 66) }
```

Border

The CSS property to change the border of an element to XYZ 44.1716, 25.5498, 7.7578 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, 66, 66) }
```


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

```
.border{ border-color:rgb(255, 66, 66) }
```

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

Here you see how a box with a 4 pixel rgb(255, 66, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 66, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 66, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 66,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 44.1716, 25.5498, 7.7578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 66, 66) }
```

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

```
.background{ background-color: rgb(255, 66,  
66) }
```

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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