

Converting Colors

XYZ(42.3572, 24.8185, 7.5769)

Have a look what the booklet for
XYZ(42.3572, 24.8185, 7.5769)
contains.

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Color

**XYZ(42.4456, 24.8399,
7.5585)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FA4441 |
| RGB | 250, 68, 65 |
| RGB Percent | 98%, 27%, 25% |
| CMY | 0.0196, 0.7333, 0.7451 |
| CMYK | 0.00, 0.73, 0.74, 0.02 |
| HSL | 1°, 95%, 62% |
| HSV | 1°, 74%, 98% |
| XYZ | 42.4456, 24.8399, 7.5585 |
| YIQ | 122.0760, 109.4350, 37.6510 |

Conversions

Conversions Part 2

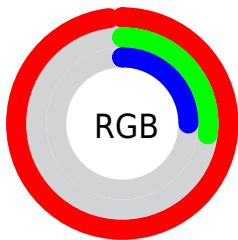
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 250, 68, 65 |
| Decimal | 16401473 |
| CIE _{Lab} | 56.92, 67.87, 43.53 |
| CIE _{LCh} | 57, 80.631, 32.671 |
| Yxy | 24.8399, 0.5671, 0.3319 |
| Android (android.graphics.Color) | 4294591553 (0xFFFA4441) |
| YUV | 122.0760, -28.1385, 112.1893 |
| Hunter-Lab | 49.8396, 64.7990, 25.8960 |

Details

The XYZ color **42.4456, 24.8399, 7.5585** 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 **52.6919, 74.5393, 102.0522**, and the grayscale version is **18.5892, 19.5573, 21.2979**.

A 20% lighter version of the original color is **51.9964, 37.9132, 20.4971**, and **20.1339, 10.3648, 1.6013** is the 20% darker color. If you saturate the color by 10%, you get **40.6863, 22.2356, 4.1551**, and if you desaturate by 10%, it is **45.1494, 28.8218, 12.8566**.

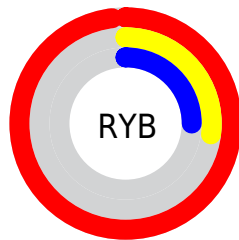
Distribution



Red (98%)

Green (27%)

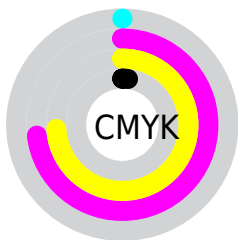
Blue (25%)



Red (98%)

Yellow (27%)

Blue (25%)

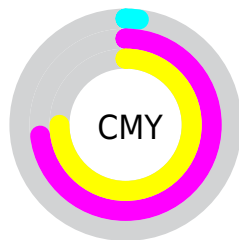


Cyan (0%)

Magenta (73%)

Yellow (74%)

Black (2%)



Cyan (2%)


Magenta (73%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4456, 24.8399, 7.5585 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 42.4456, 24.8399, 7.5585 by changing the saturation by 10% instead.

 42.4456, 24.8399,
7.5585


 42.4456, 24.8399,
7.5585

347.2871,
277.0397, 182.0302


 29.6430, 15.9578,
3.7301


 78.1345, 51.3974,
21.6200


 19.7145, 9.4943,
1.4785


 101.7515, 69.8416,
32.6901

 12.2947, 5.0650,
0.2018


 129.7041, 92.2419,
47.0112

 7.0184, 2.2854,
0.0000

 162.3575,
118.9828, 65.0018

 3.5200, 0.7660,
0.0000

 200.0772,
150.4486, 87.0805

 1.4344, 0.0000,
0.0000

 243.2284,

 0.2805, 0.0000,

187.0238, 113.6657

0.0000

292.1766,
229.0927, 145.1761

■ 0.0000, 0.0000,
0.0000

■ 42.4456, 24.8399,
7.5585

■ 42.4456, 24.8399,
7.5585

■ 40.6863, 22.2356,
4.1551

■ 45.1494, 28.8218,
12.8566

■ 39.7403, 20.8183,
2.3758


■ 48.9031, 34.3307,
20.2689


■ 39.4682, 20.4122,
1.8597


■ 53.7998, 41.5015,
29.9862

■ 59.9219, 50.4530,
42.1778

■ 67.3443, 61.2934,
56.9969

 76.1358, 74.1220,
74.5845

 86.3604, 89.0315,
95.0715

 93.2341, 99.0638,
108.8150

Harmonies

Analogous

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



46.8084, 24.8399, 24.6931



42.4456, 24.8399, 7.5585



32.9725, 24.8399, 2.1540

Triad

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



42.4456, 24.8399, 7.5585



10.8669, 24.8399, 9.4998



24.4665, 24.8399, 119.4405

Complementary

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



42.4456, 24.8399, 7.5585



52.6919, 74.5393, 102.0522

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.



16.2116, 24.8399, 104.6180



42.4456, 24.8399, 7.5585



9.7131, 24.8399, 29.5447

Square

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



42.4456, 24.8399, 7.5585



15.0967, 24.8399, 2.6348



11.3795, 24.8399, 65.9847



34.8391, 24.8399, 98.7554

Rectangle

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



42.4456, 24.8399, 7.5585



26.0041, 24.8399, 1.3033



11.3795, 24.8399, 65.9847



21.3667, 24.8399, 118.4511

Sweetspot

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



42.4462, 24.8414, 7.5589



72.1483, 66.6011, 63.0246



58.5696, 31.0066, 93.3397



14.9455, 13.5295, 12.4960



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.



42.4462, 24.8414, 7.5589



41.9599, 22.3635, 3.2068



52.5200, 44.9890, 10.9168



17.2673, 17.2704, 17.8858



20.9453, 10.8472, 0.9898



1.9476, 1.0201, 0.0942

Inverse Universe

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



52.6919, 74.5393, 102.0522



53.1226, 76.6522, 106.6033



31.5770, 32.3094, 95.0139



17.7402, 19.5572, 22.2252



26.6332, 38.6220, 54.0246



2.4742, 3.5922, 5.0061

Previews

White Background



This preview shows how the XYZ color 42.4456, 24.8399, 7.5585 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 42.4456, 24.8399, 7.5585 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 42.4456, 24.8399, 7.5585

Background



This preview shows how black text looks on a background with the XYZ color 42.4456, 24.8399, 7.5585.



This preview shows how white text looks on a background with the XYZ color 42.4456, 24.8399,

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

42.4456, 24.8399, 7.5585

Protanopia

23.1015, 24.9855, 12.8376

Deuteranopia

25.2028, 24.7684, 6.8206



Tritanopia

42.5370, 24.7805, 8.3355

Trichromacy



Original Color

42.4456, 24.8399, 7.5585

Protanomaly

27.4918, 22.6066, 10.5040

Deuteranomaly

29.5494, 22.9529, 6.7438

Tritanomaly

42.4749, 24.7557, 8.0085

Monochromacy



Original Color

42.4456, 24.8399, 7.5585

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

23.4625, 18.8773, 14.7190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4456, 24.8399, 7.5585 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(250, 68, 65)` looks like.

```
.text, #text, p{  
    color:rgb(250, 68, 65)  
}
```

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(250, 68, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 68, 65) }
```

Border

The CSS property to change the border of an element to XYZ 42.4456, 24.8399, 7.5585 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(250, 68, 65) }
```


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

```
.border{ border-color:rgb(250, 68, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 68, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 68, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 68, 65);  
box-shadow:4px 4px 4px 4px rgb(250, 68,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4456, 24.8399, 7.5585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 68, 65) }
```

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

```
.background{ background-color: rgb(250, 68,  
65) }
```

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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