

Converting Colors

XYZ(21.7407, 24.7930, 38.7616)

Have a look what the booklet for
XYZ(21.7407, 24.7930, 38.7616)
contains.

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Color

**XYZ(21.7407, 24.7930,
38.7616)**

Conversions

Conversions Part 1

Format	Color
Hex	658EA4
RGB	101, 142, 164
RGB Percent	40%, 56%, 64%
CMY	0.6039, 0.4431, 0.3569
CMYK	0.38, 0.13, 0.00, 0.36
HSL	201°, 26%, 52%
HSV	201°, 38%, 64%
XYZ	21.7407, 24.7930, 38.7616
YIQ	132.2490, -31.4980, -1.8500

Conversions

Conversions Part 2

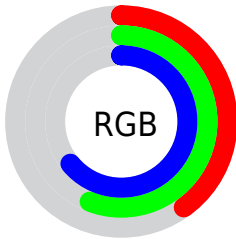
Format	Color
R_{YB}	101, 126, 164
Decimal	6655652
CIE _{Lab}	56.87, -8.32, -16.10
CIE _{LCh}	57, 18.127, 242.663
Yxy	24.7930, 0.2549, 0.2907
Android (android.graphics.Color)	4284845732 (0xFF658EA4)
YUV	132.2490, 15.6532, -27.4054
Hunter-Lab	49.7926, -9.1994, -11.3002

Details

The XYZ color **21.7407, 24.7930, 38.7616** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.7424, 22.9987, 15.4479**, and the grayscale version is **21.9760, 23.1205, 25.1782**.

A 20% lighter version of the original color is **45.8525, 51.4644, 74.5348**, and **8.0672, 9.5023, 16.7382** is the 20% darker color. If you saturate the color by 10%, you get **19.2543, 22.2792, 38.4079**, and if you desaturate by 10%, it is **24.6389, 27.5852, 39.1482**.

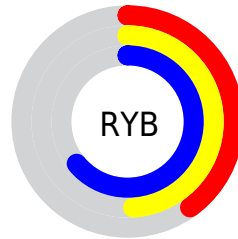
Distribution



Red (40%)

Green (56%)

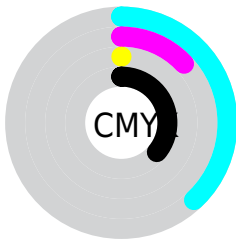
Blue (64%)



Red (40%)

Yellow (49%)

Blue (64%)

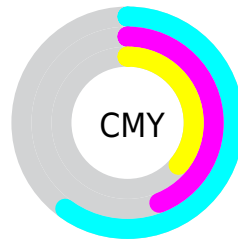


Cyan (38%)

Magenta (13%)

Yellow (0%)

Black (36%)



Cyan (60%)

Magenta (44%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7407, 24.7930, 38.7616 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 21.7407, 24.7930, 38.7616 by changing the saturation by 10% instead.

■ 21.7407, 24.7930,
38.7616

■ 21.7407, 24.7930,
38.7616

253.8470,
276.8055, 356.2715

■ 13.7820, 15.9229,
26.2679

■ 45.7991, 51.3212,
74.4903

■ 8.0499, 9.4696,
16.7966

■ 62.6296, 69.7481,
98.5624

■ 4.1790, 5.0487,
9.9292

■ 83.1480, 92.1294,
127.3311

■ 1.8039, 2.2759,
5.2470

■ 107.7197,
118.8495, 161.2148

■ 0.5200, 0.7609,
2.3317

136.7101,
150.2927, 200.6322

■ 0.0000, 0.0000,
0.7489

170.4846,

■ 0.0000, 0.0000,

186.8435, 246.0017

0.0000

209.4084,
228.8863, 297.7420

■ 21.7407, 24.7930,
38.7616

■ 21.7407, 24.7930,
38.7616

■ 19.2543, 22.2792,
38.4079

■ 24.6389, 27.5852,
39.1482

■ 17.1548, 20.0282,
38.0840

■ 27.9672, 30.6646,
39.5672

■ 15.4180, 18.0274,
37.7894

■ 31.7457, 34.0430,
40.0201

■ 14.0159, 16.2610,
37.5223

■ 35.9925, 37.7305,
40.5081

■ 12.9158, 14.7114,
37.2812

■ 40.7246, 41.7369,
41.0320

■ 12.0583, 13.3467,
37.0630

■ 45.9581, 46.0712,
41.5927

■ 11.9307, 13.1400,
37.0298

■ 51.7084, 50.7424,
42.1913

■ 57.9901, 55.7588,
42.8285

■ 64.8174, 61.1284,
43.5051

Harmonies

Analogous

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



20.2946, 24.7930, 33.8050



21.7407, 24.7930, 38.7616



23.7551, 24.7930, 40.4297

Triad

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



21.7407, 24.7930, 38.7616



27.8798, 24.7930, 26.4561



21.4310, 24.7930, 18.3053

Complementary

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



21.7407, 24.7930, 38.7616



24.7424, 22.9987, 15.4479

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.



23.3760, 24.7930, 16.9252



21.7407, 24.7930, 38.7616



27.1691, 24.7930, 21.1678

Square

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



21.7407, 24.7930, 38.7616



27.3781, 24.7930, 32.7243



25.4886, 24.7930, 17.8895



20.1235, 24.7930, 21.9774

Rectangle

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



21.7407, 24.7930, 38.7616



25.1722, 24.7930, 39.2764



25.4886, 24.7930, 17.8895



22.0277, 24.7930, 17.5852

Sweetspot

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



21.7415, 24.7940, 38.7622



54.9096, 59.3897, 72.3216



22.1558, 30.7233, 23.1756



11.8214, 12.8205, 15.7891



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.7415, 24.7940, 38.7622



35.6010, 41.1145, 69.8119



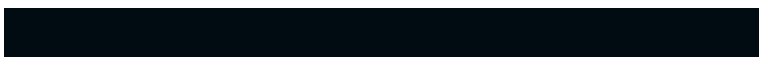
17.8076, 16.9262, 37.4509



7.0669, 7.5929, 8.9962



9.1936, 10.1666, 28.4076



0.2348, 0.2969, 0.6108

Inverse Universe

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



24.8467, 19.1537, 27.9796



42.2143, 30.0275, 46.6404



29.1326, 31.7792, 16.9113



7.2588, 7.1600, 8.3491



13.7860, 6.8705, 11.3295



0.3107, 0.1528, 0.3488

Previews

White Background



This preview shows how the XYZ color 21.7407, 24.7930, 38.7616 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 21.7407, 24.7930, 38.7616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

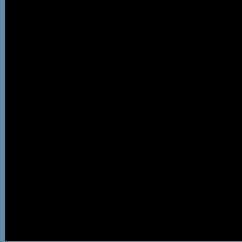
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7407, 24.7930, 38.7616

Background



This preview shows how black text looks on a background with the XYZ color 21.7407, 24.7930, 38.7616.



This preview shows how white text looks on a background with the XYZ color 21.7407, 24.7930,

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

21.7407, 24.7930, 38.7616

Protanopia

24.2821, 24.6564, 36.2803

Deuteranopia

25.1020, 24.5966, 39.5010



Tritanopia

21.0352, 24.9657, 34.7205

Trichromacy



Original Color

21.7407, 24.7930, 38.7616

Protanomaly

23.2672, 24.7432, 37.2678

Deuteranomaly

23.6217, 24.4625, 39.0740

Tritanomaly

21.2495, 24.8229, 36.0191

Monochromacy



Original Color

21.7407, 24.7930, 38.7616

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.7234, 23.6869, 29.8126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7407, 24.7930, 38.7616 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(101, 142, 164)` looks like.

```
.text, #text, p{  
    color:rgb(101, 142, 164)  
}
```

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(101, 142, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 142, 164) }
```

Border

The CSS property to change the border of an element to XYZ 21.7407, 24.7930, 38.7616 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(101, 142, 164) }
```


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

```
.border{ border-color:rgb(101, 142, 164) }
```

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

Here you see how a box with a 4 pixel rgb(101, 142, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 142, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 142, 164);  
box-shadow:4px 4px 4px 4px rgb(101, 142,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7407, 24.7930, 38.7616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 142, 164) }
```

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

```
.background{ background-color: rgb(101,  
142, 164) }
```

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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