

Converting Colors

XYZ(24.4723, 24.7069, 44.9462)

Have a look what the booklet for
XYZ(24.4723, 24.7069, 44.9462)
contains.

XYZ(24.4857, 24.7757, 45.0866)	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(24.4857, 24.7757,
45.0866)**

Conversions

Conversions Part 1

Format	Color
Hex	7888B1
RGB	120, 136, 177
RGB Percent	47%, 53%, 69%
CMY	0.5294, 0.4667, 0.3059
CMYK	0.32, 0.23, 0.00, 0.31
HSL	223°, 27%, 58%
HSV	223°, 32%, 69%
XYZ	24.4857, 24.7757, 45.0866
YIQ	135.8900, -22.6970, 9.3590

Conversions

Conversions Part 2

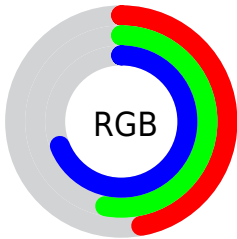
Format	Color
R_{YB}	120, 132, 177
Decimal	7899313
CIE _{Lab}	56.86, 4.11, -23.46
CIE _{LCh}	57, 23.814, 279.942
Yxy	24.7757, 0.2595, 0.2626
Android (android.graphics.Color)	4286089393 (0xFF7888B1)
YUV	135.8900, 20.2672, -13.9355
Hunter-Lab	49.7752, 0.7022, -18.8625

Details

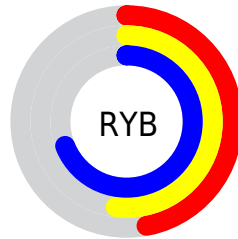
The XYZ color **24.4857, 24.7757, 45.0866** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **34.2670, 36.1934, 22.9501**, and the grayscale version is **23.2939, 24.5070, 26.6881**.

A 20% lighter version of the original color is **50.3611, 51.2771, 84.3339**, and **9.4201, 9.3760, 20.3820** is the 20% darker color. If you saturate the color by 10%, you get **20.5664, 20.2501, 44.4201**, and if you desaturate by 10%, it is **29.0734, 29.9632, 45.8465**.

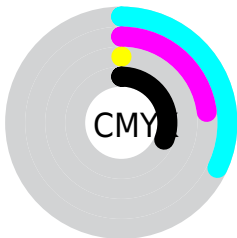
Distribution



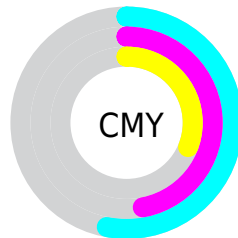
- Red (47%)
- Green (53%)
- Blue (69%)



- Red (47%)
- Yellow (52%)
- Blue (69%)



- Cyan (32%)
- Magenta (23%)
- Yellow (0%)
- Black (31%)



- Cyan (53%)
- Magenta (47%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4857, 24.7757, 45.0866 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 24.4857, 24.7757, 45.0866 by changing the saturation by 10% instead.

■ 24.4857, 24.7757,
45.0866

■ 24.4857, 24.7757,
45.0866

267.6620,
276.7191, 383.2945

■ 15.8210, 15.9100,
31.1822

■ 50.2706, 51.2931,
84.1702

■ 9.4876, 9.4605,
20.4780

■ 68.1214, 69.7136,
110.1864

■ 5.1202, 5.0428,
12.5555

■ 89.7651, 92.0879,
141.0770

■ 2.3535, 2.2724,
6.9961

115.5668,
118.8003, 177.2606

■ 0.8218, 0.7590,
3.3812

145.8920,
150.2352, 219.1555

■ 0.0000, 0.0000,
1.2924

181.1061,

■ 0.0000, 0.0000,

186.7770, 267.1805

0.0556

221.5743,
228.8102, 321.7540

■ 0.0000, 0.0000,
0.0000

■ 24.4857, 24.7757,
45.0866

■ 24.4857, 24.7757,
45.0866

■ 20.5664, 20.2501,
44.4201

■ 29.0734, 29.9632,
45.8465

■ 17.2805, 16.3558,
43.8416

■ 34.3573, 35.8356,
46.7015

■ 14.5937, 13.0637,
43.3478

■ 40.3664, 42.4186,
47.6555

■ 12.4668, 10.3414,
42.9344

■ 47.1274, 49.7355,
48.7114

■ 10.8560, 8.1530,
42.5969

■ 54.6656, 57.8085,
49.8724

■ 9.7096, 6.4575,
42.3301

■ 63.0051, 66.6589,
51.1411

■ 9.0631, 5.4288,
42.1656

■ 72.1690, 76.3071,
52.5204

■ 79.7081, 85.4988,
53.8972

■ 83.5439, 93.1703,
55.1758

Harmonies

Analogous

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



21.7586, 24.7757, 44.1077



24.4857, 24.7757, 45.0866



27.1582, 24.7757, 40.5323

Triad

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



24.4857, 24.7757, 45.0866



27.8994, 24.7757, 18.2765



18.8662, 24.7757, 22.0492

Complementary

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



24.4857, 24.7757, 45.0866



34.2670, 36.1934, 22.9501

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.



20.2738, 24.7757, 16.8403



24.4857, 24.7757, 45.0866



25.4341, 24.7757, 14.9785

Square

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



24.4857, 24.7757, 45.0866



29.2293, 24.7757, 24.4132



22.6356, 24.7757, 14.5105



18.6561, 24.7757, 29.7132

Rectangle

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



24.4857, 24.7757, 45.0866



28.4964, 24.7757, 35.4141



22.6356, 24.7757, 14.5105



19.2094, 24.7757, 19.9984

Sweetspot

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



24.4865, 24.7767, 45.0872



63.6117, 66.4704, 83.9727



29.8883, 38.0058, 39.4101



13.4806, 14.0693, 18.1495



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.4865, 24.7767, 45.0872



38.5039, 38.2137, 79.8419



24.2236, 21.5419, 44.4767



8.2298, 8.6057, 10.7336



6.6118, 4.0239, 30.5652



0.2586, 0.2278, 0.9786

Inverse Universe

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



29.2925, 24.5584, 26.4899



48.6527, 38.2161, 40.4667



34.5572, 40.7627, 23.8168



8.5912, 8.5432, 9.3455



13.5720, 6.9463, 2.9060



0.4526, 0.2288, 0.2259

Previews

White Background



This preview shows how the XYZ color 24.4857, 24.7757, 45.0866 looks on a white background.

Color Contrast Check

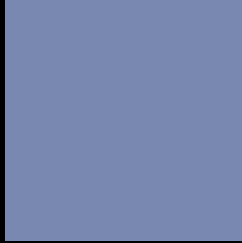
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4857, 24.7757, 45.0866 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

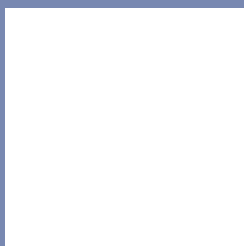
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4857, 24.7757, 45.0866

Background



This preview shows how black text looks on a background with the XYZ color 24.4857, 24.7757, 45.0866.

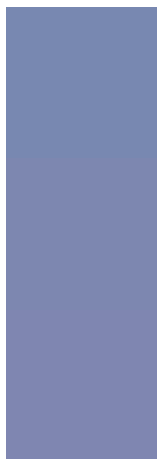


This preview shows how white text looks on a background with the XYZ color 24.4857, 24.7757,

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

24.4857, 24.7757, 45.0866

Protanopia

24.9579, 24.8225, 44.5501

Deuteranopia

25.2133, 24.7365, 45.0407



Tritanopia

22.1318, 24.8942, 33.3443

Trichromacy



Original Color

24.4857, 24.7757, 45.0866

Protanomaly

24.6688, 24.6735, 44.5366

Deuteranomaly

24.9120, 24.7874, 45.0664

Tritanomaly

22.8681, 24.7515, 37.2904

Monochromacy



Original Color

24.4857, 24.7757, 45.0866

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.5960, 24.5885, 32.7806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4857, 24.7757, 45.0866 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(120, 136, 177)` looks like.

```
.text, #text, p{  
    color:rgb(120, 136, 177)  
}
```

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(120, 136, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 136, 177) }
```

Border

The CSS property to change the border of an element to XYZ 24.4857, 24.7757, 45.0866 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(120, 136, 177) }
```


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

```
.border{ border-color:rgb(120, 136, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 136, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 136, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 136, 177);  
box-shadow:4px 4px 4px 4px rgb(120, 136,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4857, 24.7757, 45.0866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 136, 177) }
```

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

```
.background{ background-color: rgb(120,  
136, 177) }
```

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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