

Converting Colors

XYZ(24.3575, 24.6697, 46.3757)

Have a look what the booklet for
XYZ(24.3575, 24.6697, 46.3757)
contains.

XYZ(24.2770, 24.6449, 46.1252)	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(24.2770, 24.6449,
46.1252)**

Conversions

Conversions Part 1

Format	Color
Hex	7588B3
RGB	117, 136, 179
RGB Percent	46%, 53%, 70%
CMY	0.5412, 0.4667, 0.2980
CMYK	0.35, 0.24, 0.00, 0.30
HSL	222°, 29%, 58%
HSV	222°, 35%, 70%
XYZ	24.2770, 24.6449, 46.1252
YIQ	135.2210, -25.1270, 9.3450

Conversions

Conversions Part 2

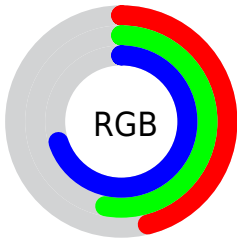
Format	Color
R_{YB}	117, 132, 179
Decimal	7702707
CIE _{Lab}	56.73, 3.76, -24.81
CIE _{LCh}	57, 25.097, 278.614
Yxy	24.6449, 0.2554, 0.2593
Android (android.graphics.Color)	4285892787 (0xFF7588B3)
YUV	135.2210, 21.5830, -15.9798
Hunter-Lab	49.6436, 0.4147, -20.3374

Details

The XYZ color **24.2770, 24.6449, 46.1252** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **34.3727, 36.0103, 21.9697**, and the grayscale version is **23.0409, 24.2408, 26.3982**.

A 20% lighter version of the original color is **49.9876, 51.0513, 85.8165**, and **9.3405, 9.3202, 21.0453** is the 20% darker color. If you saturate the color by 10%, you get **20.4497, 20.2254, 45.4743**, and if you desaturate by 10%, it is **28.7683, 29.7085, 46.8663**.

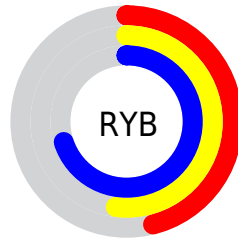
Distribution



Red (46%)

Green (53%)

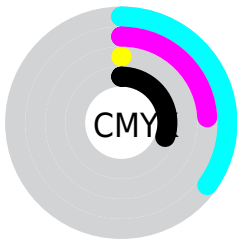
Blue (70%)



Red (46%)

Yellow (52%)

Blue (70%)

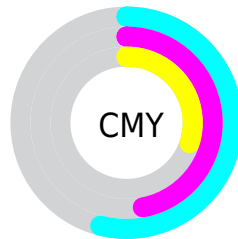


Cyan (35%)

Magenta (24%)

Yellow (0%)

Black (30%)



Cyan (54%)

Magenta (47%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2770, 24.6449, 46.1252 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 24.2770, 24.6449, 46.1252 by changing the saturation by 10% instead.

■ 24.2770, 24.6449,
46.1252

■ 24.2770, 24.6449,
46.1252

266.6325,
276.0649, 387.6040

■ 15.6651, 15.8127,
31.9953

■ 49.9332, 51.0806,
85.7426

■ 9.3768, 9.3917,
21.0931

■ 67.7083, 69.4528,
112.0671

■ 5.0468, 4.9975,
13.0002

■ 89.2684, 91.7738,
143.2936

■ 2.3098, 2.2458,
7.2979

114.9789,
118.4281, 179.8405

■ 0.7997, 0.7448,
3.5679

145.2052,
149.7999, 222.1265

■ 0.0000, 0.0000,
1.3914

180.3127,

■ 0.0000, 0.0000,

186.2737, 270.5700

0.1350

220.6667,
228.2339, 325.5897

■ 0.0000, 0.0000,
0.0000

■ 24.2770, 24.6449,
46.1252

■ 24.2770, 24.6449,
46.1252

■ 20.4497, 20.2254,
45.4743

■ 28.7683, 29.7085,
46.8663

■ 17.2509, 16.4198,
44.9083

■ 33.9520, 35.4388,
47.6991

■ 14.6451, 13.1995,
44.4241

■ 39.8576, 41.8610,
48.6275

■ 12.5921, 10.5325,
44.0175

■ 46.5123, 48.9979,
49.6543

■ 11.0463, 8.3828,
43.6841

■ 53.9417, 56.8713,
50.7825

■ 9.9533, 6.7094,
43.4187

■ 62.1702, 65.5020,
52.0147

■ 9.4961, 5.9733,
43.3007

■ 71.2212, 74.9100,
53.3535

■ 79.1765, 84.1142,
54.7108

■ 82.8623, 91.4857,
55.9394

Harmonies

Analogous

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



21.4320, 24.6449, 44.8068



24.2770, 24.6449, 46.1252



27.1136, 24.6449, 41.4954

Triad

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



24.2770, 24.6449, 46.1252



28.1009, 24.6449, 17.9826



18.5665, 24.6449, 21.3771

Complementary

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



24.2770, 24.6449, 46.1252



34.3727, 36.0103, 21.9697

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.



20.0857, 24.6449, 16.1106



24.2770, 24.6449, 46.1252



25.5362, 24.6449, 14.4535

Square

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



24.2770, 24.6449, 46.1252



29.4387, 24.6449, 24.4925



22.5917, 24.6449, 13.8480



18.2904, 24.6449, 29.3204

Rectangle

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



24.2770, 24.6449, 46.1252



28.5627, 24.6449, 36.1306



22.5917, 24.6449, 13.8480



18.9422, 24.6449, 19.2870

Sweetspot

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



24.2778, 24.6459, 46.1258



65.3679, 68.4511, 86.1483



29.7468, 38.5386, 38.8395



14.1617, 14.8161, 19.0356



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.2778, 24.6459, 46.1258



37.8555, 37.6604, 81.6552



23.4562, 20.5959, 45.3874



8.2473, 8.6408, 10.7395



6.7618, 4.3239, 30.6152



0.2657, 0.2420, 0.9809

Inverse Universe

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



29.3964, 24.0848, 26.3929



48.6438, 37.0745, 39.9306



35.4021, 41.8097, 23.0348



8.6000, 8.5467, 9.3922



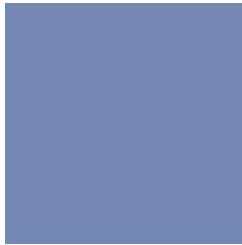
13.6477, 6.9766, 3.3047



0.4562, 0.2302, 0.2448

Previews

White Background



This preview shows how the XYZ color 24.2770, 24.6449, 46.1252 looks on a white background.

Color Contrast Check

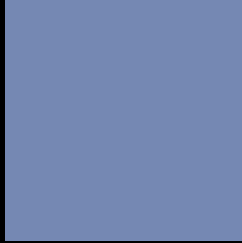
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2770, 24.6449, 46.1252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

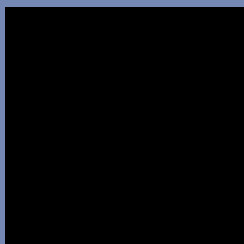
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

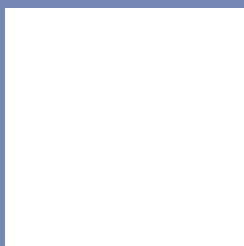
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2770, 24.6449, 46.1252

Background



This preview shows how black text looks on a background with the XYZ color 24.2770, 24.6449, 46.1252.



This preview shows how white text looks on a background with the XYZ color 24.2770, 24.6449,

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

24.2770, 24.6449, 46.1252

Protanopia

24.8732, 24.5496, 45.5471

Deuteranopia

25.1192, 24.6648, 46.0847



Tritanopia

21.7479, 24.6963, 33.3264

Trichromacy



Original Color

24.2770, 24.6449, 46.1252

Protanomaly

24.5850, 24.6072, 45.5734

Deuteranomaly

24.8267, 24.7202, 46.1108

Tritanomaly

22.5643, 24.5846, 37.7385

Monochromacy



Original Color

24.2770, 24.6449, 46.1252

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.1520, 24.1515, 32.7196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2770, 24.6449, 46.1252 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(117, 136, 179)` looks like.

```
.text, #text, p{  
    color:rgb(117, 136, 179)  
}
```

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(117, 136, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 136, 179) }
```

Border

The CSS property to change the border of an element to XYZ 24.2770, 24.6449, 46.1252 is called "border". The border property can be set on classes, ids or directly on the HTML element.

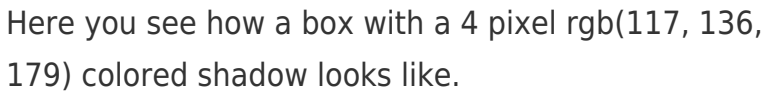
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 136, 179) }
```


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

```
.border{ border-color:rgb(117, 136, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 136, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 136, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 136, 179);  
box-shadow:4px 4px 4px 4px rgb(117, 136,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2770, 24.6449, 46.1252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 136, 179) }
```

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

```
.background{ background-color: rgb(117,  
136, 179) }
```

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