

Converting Colors

XYZ(24.7461, 23.2960, 47.1220)

Have a look what the booklet for
XYZ(24.7461, 23.2960, 47.1220)
contains.

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Color

**XYZ(24.6638, 23.2102,
46.8961)**

Conversions

Conversions Part 1

Format	Color
Hex	7E80B5
RGB	126, 128, 181
RGB Percent	49%, 50%, 71%
CMY	0.5059, 0.4980, 0.2902
CMYK	0.30, 0.29, 0.00, 0.29
HSL	238°, 27%, 60%
HSV	238°, 30%, 71%
XYZ	24.6638, 23.2102, 46.8961
YIQ	133.4440, -18.2050, 16.0590

Conversions

Conversions Part 2

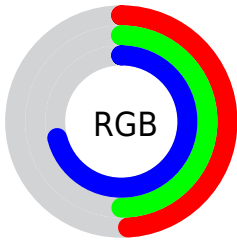
Format	Color
R _Y B	126, 128, 181
Decimal	8290485
CIE _{Lab}	55.29, 11.64, -28.13
CIE _{LCh}	55, 30.442, 292.481
Y _{xy}	23.2102, 0.2602, 0.2449
Android (android.graphics.Color)	4286480565 (0xFF7E80B5)
YUV	133.4440, 23.4451, -6.5284
Hunter-Lab	48.1770, 7.0719, -23.9898

Details

The XYZ color **24.6638, 23.2102, 46.8961** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **38.9423, 43.5703, 26.0968**, and the grayscale version is **22.3787, 23.5441, 25.6396**.

A 20% lighter version of the original color is **50.6323, 48.8655, 86.8841**, and **9.5939, 8.6463, 21.5853** is the 20% darker color. If you saturate the color by 10%, you get **20.1497, 17.7916, 46.0885**, and if you desaturate by 10%, it is **30.0534, 29.6616, 47.8577**.

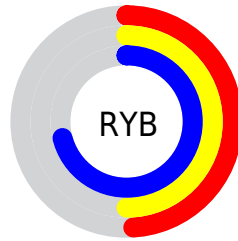
Distribution



Red (49%)

Green (50%)

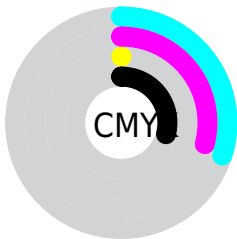
Blue (71%)



Red (49%)

Yellow (50%)

Blue (71%)

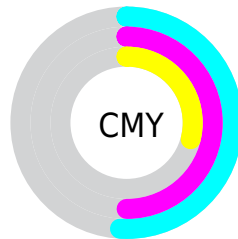


Cyan (30%)

Magenta (29%)

Yellow (0%)

Black (29%)



Cyan (51%)

Magenta (50%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6638, 23.2102, 46.8961 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 24.6638, 23.2102, 46.8961 by changing the saturation by 10% instead.

■ 24.6638, 23.2102,
46.8961

■ 24.6638, 23.2102,
46.8961

268.5381,
268.8028, 390.7814

■ 15.9541, 14.7488,
32.5998

■ 50.5581, 48.7382,
86.9069

■ 9.5824, 8.6433,
21.5514

■ 68.4735, 66.5737,
113.4584

■ 5.1831, 4.5092,
13.3325

■ 90.1881, 88.3026,
144.9320

■ 2.3909, 1.9623,
7.5245

116.0674,
114.3093, 181.7464

■ 0.8406, 0.5854,
3.7088

146.4767,
144.9783, 224.3200

■ 0.0000, 0.0000,
1.4670

181.7814,

■ 0.0000, 0.0000,

180.6940, 273.0713

0.1932

222.3467,
221.8407, 328.4189

■ 0.0000, 0.0000,
0.0000

■ 24.6638, 23.2102,
46.8961

■ 24.6638, 23.2102,
46.8961

■ 20.1497, 17.7916,
46.0885

■ 30.0534, 29.6616,
47.8577

■ 16.4626, 13.3497,
45.4255

■ 36.3589, 37.1927,
48.9790

■ 13.5532, 9.8272,
44.8989

■ 43.6209, 45.8508,
50.2674

■ 11.3656, 7.1596,
44.4993

■ 51.8768, 55.6794,
51.7294

■ 9.8367, 5.2741,
44.2160

■ 61.1622, 66.7200,
53.3711

■ 8.8924, 4.0861,
44.0364

■ 71.5109, 79.0119,
55.1982

■ 8.4120, 3.4792,
43.9446

■ 82.9551, 92.5926,
57.2164

■ 85.3406, 96.1162,
57.7708

Harmonies

Analogous

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



21.2137, 23.2102, 48.8331



24.6638, 23.2102, 46.8961



27.6802, 23.2102, 38.5197

Triad

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



24.6638, 23.2102, 46.8961



26.2995, 23.2102, 13.1127



16.1780, 23.2102, 22.8935

Complementary

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



24.6638, 23.2102, 46.8961



38.9423, 43.5703, 26.0968

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.



17.2582, 23.2102, 15.4742



24.6638, 23.2102, 46.8961



22.9298, 23.2102, 10.8529

Square

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



24.6638, 23.2102, 46.8961



28.6904, 23.2102, 18.7505



19.6473, 23.2102, 11.5892



16.5399, 23.2102, 33.1533

Rectangle

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



24.6638, 23.2102, 46.8961



28.9223, 23.2102, 31.3564



19.6473, 23.2102, 11.5892



16.3803, 23.2102, 20.0304

Sweetspot

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



24.6646, 23.2111, 46.8966



66.6304, 68.4159, 87.9884



33.1896, 40.7082, 48.3598



14.0217, 14.3343, 18.9500



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.



24.6646, 23.2111, 46.8966



38.9686, 35.3262, 83.0594



28.5181, 24.8140, 47.0029



8.0659, 8.2781, 10.6790



5.8102, 2.4207, 30.2980



0.1910, 0.0925, 0.9560

Inverse Universe

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



30.4138, 26.3046, 23.8974



50.8260, 41.7599, 35.6126



34.0490, 41.6474, 25.9835



8.5085, 8.5101, 8.9101



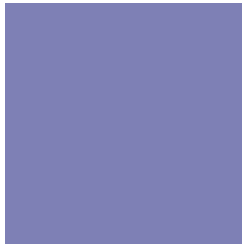
13.1674, 6.7845, 0.7754



0.4184, 0.2151, 0.0461

Previews

White Background



This preview shows how the XYZ color 24.6638, 23.2102, 46.8961 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 24.6638, 23.2102, 46.8961 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 24.6638, 23.2102, 46.8961

Background



This preview shows how black text looks on a background with the XYZ color 24.6638, 23.2102, 46.8961.



This preview shows how white text looks on a background with the XYZ color 24.6638, 23.2102,

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

24.6638, 23.2102, 46.8961

Protanopia

23.8660, 23.1661, 48.0134

Deuteranopia

23.8257, 23.3794, 46.4369



Tritanopia

21.4600, 23.3252, 30.5653

Trichromacy



Original Color

24.6638, 23.2102, 46.8961

Protanomaly

24.0395, 23.0710, 47.4421

Deuteranomaly

24.1060, 23.3255, 46.4118

Tritanomaly

22.5353, 23.1433, 36.0803

Monochromacy



Original Color

24.6638, 23.2102, 46.8961

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.8272, 23.1804, 32.1253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6638, 23.2102, 46.8961 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(126, 128, 181)` looks like.

```
.text, #text, p{  
    color:rgb(126, 128, 181)  
}
```

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(126, 128, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 128, 181) }
```

Border

The CSS property to change the border of an element to XYZ 24.6638, 23.2102, 46.8961 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(126, 128, 181) }
```


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

```
.border{ border-color:rgb(126, 128, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 128, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 128, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 128, 181);  
box-shadow:4px 4px 4px 4px rgb(126, 128,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6638, 23.2102, 46.8961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 128, 181) }
```

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

```
.background{ background-color: rgb(126,  
128, 181) }
```

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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