

Converting Colors

XYZ(24.7006, 23.9281, 45.7084)

Have a look what the booklet for
XYZ(24.7006, 23.9281, 45.7084)
contains.

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Color

**XYZ(24.7104, 23.8472,
45.9484)**

Conversions

Conversions Part 1

Format	Color
Hex	7D83B3
RGB	125, 131, 179
RGB Percent	49%, 51%, 70%
CMY	0.5098, 0.4863, 0.2980
CMYK	0.30, 0.27, 0.00, 0.30
HSL	233°, 26%, 60%
HSV	233°, 30%, 70%
XYZ	24.7104, 23.8472, 45.9484
YIQ	134.6780, -18.9840, 13.6560

Conversions

Conversions Part 2

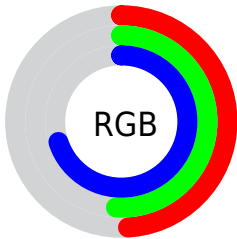
Format	Color
R _Y B	125, 130, 179
Decimal	8225715
CIE Lab	55.93, 9.05, -25.99
CIE LCh	56, 27.522, 289.209
Yxy	23.8472, 0.2615, 0.2523
Android (android.graphics.Color)	4286415795 (0xFF7D83B3)
YUV	134.6780, 21.8507, -8.4876
Hunter-Lab	48.8336, 4.8644, -21.6035

Details

The XYZ color **24.7104, 23.8472, 45.9484** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **37.2361, 40.9519, 25.3448**, and the grayscale version is **22.8373, 24.0266, 26.1650**.

A 20% lighter version of the original color is **50.7263, 49.8628, 85.5482**, and **9.6072, 8.9968, 20.9689** is the 20% darker color. If you saturate the color by 10%, you get **20.3536, 18.6692, 45.1790**, and if you desaturate by 10%, it is **29.8679, 29.9262, 46.8504**.

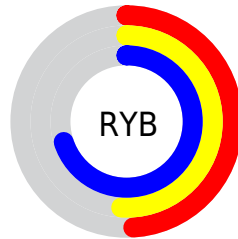
Distribution



Red (49%)

Green (51%)

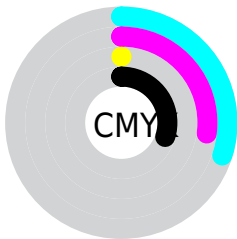
Blue (70%)



Red (49%)

Yellow (51%)

Blue (70%)

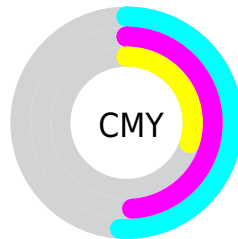


Cyan (30%)

Magenta (27%)

Yellow (0%)

Black (30%)



Cyan (51%)

Magenta (49%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7104, 23.8472, 45.9484 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 24.7104, 23.8472, 45.9484 by changing the saturation by 10% instead.

■ 24.7104, 23.8472,
45.9484

■ 24.7104, 23.8472,
45.9484

268.7669,
272.0471, 386.8727

■ 15.9890, 15.2203,
31.8567

■ 50.6333, 49.7807,
85.4752

■ 9.6072, 8.9742,
20.9882

■ 68.5655, 67.8562,
111.7475

■ 5.1995, 4.7243,
12.9242

■ 90.2987, 89.8499,
142.9170

■ 2.4008, 2.0864,
7.2463

116.1983,
116.1464, 179.4024

■ 0.8455, 0.6570,
3.5358

146.6295,
147.1299, 221.6221

■ 0.0000, 0.0000,
1.3743

181.9578,

■ 0.0000, 0.0000,

183.1849, 269.9947

0.1216

222.5485,
224.6959, 324.9387

■ 0.0000, 0.0000,
0.0000

■ 24.7104, 23.8472,
45.9484

■ 24.7104, 23.8472,
45.9484

■ 20.3536, 18.6692,
45.1790

■ 29.8679, 29.9262,
46.8504

■ 16.7550, 14.3465,
44.5343

■ 35.8610, 36.9434,
47.8889

■ 13.8714, 10.8335,
44.0082

■ 42.7257, 44.9374,
49.0701

■ 11.6547, 8.0796,
43.5935

■ 50.4949, 53.9436,
50.3990

■ 10.0505, 6.0278,
43.2820

■ 59.1999, 63.9958,
51.8805

■ 8.9958, 4.6133,
43.0646

■ 68.8705, 75.1262,
53.5192

■ 8.3850, 3.7511,
42.9303

■ 79.5352, 87.3655,
55.3195

■ 85.1368, 96.0347,
56.6976

Harmonies

Analogous

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



21.5547, 23.8472, 46.9158



24.7104, 23.8472, 45.9484



27.5496, 23.8472, 38.9747

Triad

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



24.7104, 23.8472, 45.9484



26.8423, 23.8472, 14.9542



17.2391, 23.8472, 22.8617

Complementary

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



24.7104, 23.8472, 45.9484



37.2361, 40.9519, 25.3448

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.



18.3967, 23.8472, 16.2307



24.7104, 23.8472, 45.9484



23.8150, 23.8472, 12.4179

Square

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



24.7104, 23.8472, 45.9484



28.8568, 23.8472, 20.6835



20.7377, 23.8472, 12.8239



17.4308, 23.8472, 32.0780

Rectangle

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



24.7104, 23.8472, 45.9484



28.7899, 23.8472, 32.5974



20.7377, 23.8472, 12.8239



17.4787, 23.8472, 20.3003

Sweetspot

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



24.7112, 23.8481, 45.9490



65.4007, 67.5358, 85.9699



32.0920, 39.6062, 45.3370



14.1203, 14.5315, 18.9829



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.



24.7112, 23.8481, 45.9490



39.0700, 36.5564, 81.3781



27.2718, 24.0062, 45.8445



8.1155, 8.3772, 10.6956



5.9502, 2.7008, 30.3447



0.2117, 0.1339, 0.9629

Inverse Universe

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



30.0214, 25.8904, 24.8887



50.1192, 40.9665, 37.5208



33.9820, 41.0209, 25.5296



8.5335, 8.5201, 9.0418



13.2381, 6.8128, 1.1476



0.4289, 0.2193, 0.1011

Previews

White Background



This preview shows how the XYZ color 24.7104, 23.8472, 45.9484 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 24.7104, 23.8472, 45.9484 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 24.7104, 23.8472, 45.9484

Background



This preview shows how black text looks on a background with the XYZ color 24.7104, 23.8472, 45.9484.



This preview shows how white text looks on a background with the XYZ color 24.7104, 23.8472,

45.9484.

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

24.7104, 23.8472, 45.9484

Protanopia

24.2352, 23.7909, 46.4948

Deuteranopia

24.4140, 23.8948, 45.9732



Tritanopia

21.7622, 23.8810, 31.4795

Trichromacy



Original Color

24.7104, 23.8472, 45.9484

Protanomaly

24.5155, 23.9354, 46.5079

Deuteranomaly

24.5563, 23.9682, 45.9799

Tritanomaly

22.8071, 23.8961, 36.2112

Monochromacy



Original Color

24.7104, 23.8472, 45.9484

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.4711, 24.1099, 32.6948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7104, 23.8472, 45.9484 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(125, 131, 179)` looks like.

```
.text, #text, p{  
    color:rgb(125, 131, 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(125, 131, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 131, 179) }
```

Border

The CSS property to change the border of an element to XYZ 24.7104, 23.8472, 45.9484 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(125, 131, 179) }
```


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

```
.border{ border-color:rgb(125, 131, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 131, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 131, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 131, 179);  
box-shadow:4px 4px 4px 4px rgb(125, 131,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7104, 23.8472, 45.9484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 131, 179) }
```

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

```
.background{ background-color: rgb(125,  
131, 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](#).

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