

Converting Colors

XYZ(25.8539, 23.7979, 55.3497)

Have a look what the booklet for
XYZ(25.8539, 23.7979, 55.3497)
contains.

XYZ(25.8401, 23.8236, 55.4610)	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(25.8401, 23.8236,
55.4610)**

Conversions

Conversions Part 1

Format	Color
Hex	7A81C4
RGB	122, 129, 196
RGB Percent	48%, 51%, 77%
CMY	0.5216, 0.4941, 0.2314
CMYK	0.38, 0.34, 0.00, 0.23
HSL	234°, 39%, 62%
HSV	234°, 38%, 77%
XYZ	25.8401, 23.8236, 55.4610
YIQ	134.5450, -25.6790, 19.3530

Conversions

Conversions Part 2

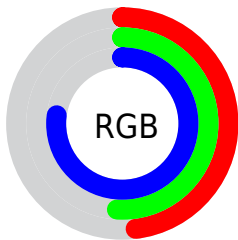
Format	Color
RYB	122, 128, 196
Decimal	8028612
CIELab	55.91, 13.95, -35.74
CIELCh	56, 38.366, 291.319
Yxy	23.8236, 0.2458, 0.2266
Android (android.graphics.Color)	4286218692 (0xFF7A81C4)
YUV	134.5450, 30.2973, -11.0020
Hunter-Lab	48.8094, 9.0828, -33.2032

Details

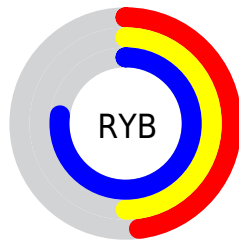
The XYZ color **25.8401, 23.8236, 55.4610** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **44.4761, 49.5370, 25.6309**, and the grayscale version is **22.7599, 23.9452, 26.0763**.

A 20% lighter version of the original color is **52.5890, 49.8949, 99.7874**, and **10.2054, 8.9555, 26.7819** is the 20% darker color. If you saturate the color by 10%, you get **21.2016, 18.2588, 54.6318**, and if you desaturate by 10%, it is **31.4459, 30.4906, 56.4528**.

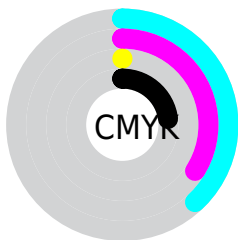
Distribution



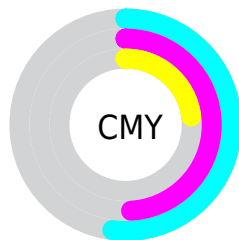
- Red (48%)
- Green (51%)
- Blue (77%)



- Red (48%)
- Yellow (50%)
- Blue (77%)



- Cyan (38%)
- Magenta (34%)
- Yellow (0%)
- Black (23%)



- Cyan (52%)
- Magenta (49%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8401, 23.8236, 55.4610 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 25.8401, 23.8236, 55.4610 by changing the saturation by 10% instead.

■ 25.8401, 23.8236,
55.4610

■ 25.8401, 23.8236,
55.4610

274.2674,
271.9274, 424.9882

■ 16.8361, 15.2028,
39.3698

■ 52.4500, 49.7422,
99.6940

■ 10.2123, 8.9619,
26.7375

■ 70.7867, 67.8088,
128.6729

■ 5.6033, 4.7163,
17.1455

■ 92.9649, 89.7928,
162.7848

■ 2.6437, 2.0818,
10.1752

119.3501,
116.0786, 202.4482

■ 0.9683, 0.6544,
5.4082

150.3075,
147.0505, 248.0817

■ 0.0000, 0.0000,
2.4258

186.2027,

■ 0.0000, 0.0000,

183.0931, 300.1039

0.8004

227.4008,
224.5906, 358.9332

■ 0.0000, 0.0000,
0.0000

■ 25.8401, 23.8236,
55.4610

■ 25.8401, 23.8236,
55.4610

■ 21.2016, 18.2588,
54.6318

■ 31.4459, 30.4906,
56.4528

■ 17.4731, 13.7341,
53.9550

■ 38.0670, 38.3121,
57.6136

■ 14.5950, 10.1854,
53.4217

■ 45.7512, 47.3403,
58.9512

■ 12.4996, 7.5401,
53.0215

■ 54.5426, 57.6232,
60.4726

■ 11.1086, 5.7157,
52.7427

■ 64.4825, 69.2064,
62.1845

■ 10.3160, 4.6081,
52.5707

■ 75.6105, 82.1332,
64.0931

■ 10.1890, 4.4358,
52.5441

■ 86.4005, 95.6388,
66.1313

■ 86.9639, 96.7656,
66.3191

Harmonies

Analogous

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



21.3980, 23.8236, 57.7691



25.8401, 23.8236, 55.4610



29.8621, 23.8236, 44.0884

Triad

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



25.8401, 23.8236, 55.4610



28.3157, 23.8236, 11.3169



15.3072, 23.8236, 22.4722

Complementary

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



25.8401, 23.8236, 55.4610



44.4761, 49.5370, 25.6309

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.



16.6936, 23.8236, 13.6127



25.8401, 23.8236, 55.4610



23.9366, 23.8236, 8.6743

Square

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



25.8401, 23.8236, 55.4610



31.4145, 23.8236, 18.1332



19.7222, 23.8236, 9.3522



15.6791, 23.8236, 35.7163

Rectangle

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



25.8401, 23.8236, 55.4610



31.5794, 23.8236, 34.4428



19.7222, 23.8236, 9.3522



15.5758, 23.8236, 18.9659

Sweetspot

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



25.8410, 23.8245, 55.4616



77.8993, 79.9157, 105.9273



36.9086, 47.2748, 55.0970



16.2582, 16.6174, 22.6005



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



25.8410, 23.8245, 55.4616



39.9907, 34.9837, 99.2525



29.7984, 24.5425, 55.3916



9.6032, 9.8978, 12.6892



6.5758, 2.9081, 33.7713



0.3107, 0.1787, 1.4680

Inverse Universe

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



33.6877, 27.2408, 24.2521



56.2490, 42.3270, 34.5275



39.0634, 49.0359, 25.8195



10.1110, 10.0930, 10.6753



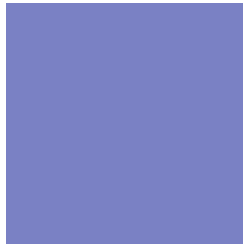
14.7151, 7.5758, 1.1460



0.6492, 0.3327, 0.1200

Previews

White Background



This preview shows how the XYZ color 25.8401, 23.8236, 55.4610 looks on a white background.

Color Contrast Check

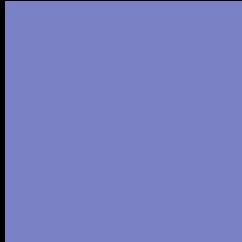
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8401, 23.8236, 55.4610 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 25.8401, 23.8236, 55.4610

Background



This preview shows how black text looks on a background with the XYZ color 25.8401, 23.8236, 55.4610.



This preview shows how white text looks on a background with the XYZ color 25.8401, 23.8236,

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

25.8401, 23.8236, 55.4610

Protanopia

24.9999, 23.9593, 56.7330

Deuteranopia

24.4222, 23.9033, 54.9564



Tritanopia

21.0688, 23.7264, 31.9030

Trichromacy



Original Color

25.8401, 23.8236, 55.4610

Protanomaly

25.2646, 23.9087, 56.1066

Deuteranomaly

24.9116, 23.9534, 54.9402

Tritanomaly

22.6171, 23.7260, 39.4639

Monochromacy



Original Color

25.8401, 23.8236, 55.4610

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.6793, 23.9552, 35.2741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8401, 23.8236, 55.4610 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(122, 129, 196)` looks like.

```
.text, #text, p{  
    color:rgb(122, 129, 196)  
}
```

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(122, 129, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 129, 196) }
```

Border

The CSS property to change the border of an element to XYZ 25.8401, 23.8236, 55.4610 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(122, 129, 196) }
```


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

```
.border{ border-color:rgb(122, 129, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 129, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 129, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 129, 196);  
box-shadow:4px 4px 4px 4px rgb(122, 129,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8401, 23.8236, 55.4610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 129, 196) }
```

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

```
.background{ background-color: rgb(122,  
129, 196) }
```

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