

Converting Colors

XYZ(25.0787, 22.5973, 58.2983)

Have a look what the booklet for
XYZ(25.0787, 22.5973, 58.2983)
contains.

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Color

**XYZ(25.0787, 22.5973,
58.2983)**

Conversions

Conversions Part 1

Format	Color
Hex	747DC9
RGB	116, 125, 201
RGB Percent	45%, 49%, 79%
CMY	0.5451, 0.5098, 0.2118
CMYK	0.42, 0.38, 0.00, 0.21
HSL	234°, 44%, 62%
HSV	234°, 42%, 79%
XYZ	25.0787, 22.5973, 58.2983
YIQ	130.9730, -29.7600, 21.7280

Conversions

Conversions Part 2

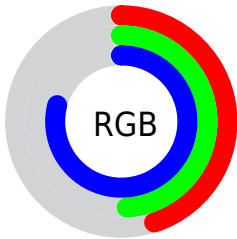
Format	Color
R _Y B	116, 124, 201
Decimal	7634377
CIE Lab	54.66, 16.15, -40.58
CIE LCh	55, 43.679, 291.696
Yxy	22.5973, 0.2366, 0.2132
Android (android.graphics.Color)	4285824457 (0xFF747DC9)
YUV	130.9730, 34.5233, -13.1313
Hunter-Lab	47.5366, 10.9814, -39.4369

Details

The XYZ color **25.0787, 22.5973, 58.2983** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **46.0903, 51.3789, 24.0120**, and the grayscale version is **21.4528, 22.5700, 24.5788**.

A 20% lighter version of the original color is **50.5667, 47.3222, 101.0767**, and **9.8375, 8.2996, 28.6873** is the 20% darker color. If you saturate the color by 10%, you get **20.6173, 17.2203, 57.4960**, and if you desaturate by 10%, it is **30.5315, 29.0972, 59.2659**.

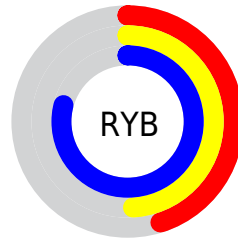
Distribution



Red (45%)

Green (49%)

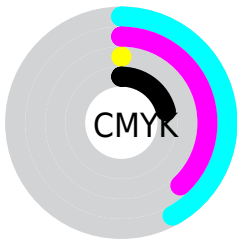
Blue (79%)



Red (45%)

Yellow (49%)

Blue (79%)

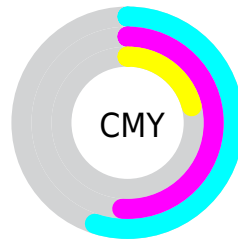


Cyan (42%)

Magenta (38%)

Yellow (0%)

Black (21%)



Cyan (55%)

Magenta (51%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0787, 22.5973, 58.2983 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 25.0787, 22.5973, 58.2983 by changing the saturation by 10% instead.

■ 25.0787, 22.5973,
58.2983

■ 25.0787, 22.5973,
58.2983

270.5701,
265.6498, 435.9258

■ 16.2647, 14.2964,
41.6322

■ 51.2268, 47.7312,
103.8762

■ 9.8037, 8.3271,
28.4900

■ 69.2917, 65.3331,
133.6251

■ 5.3303, 4.3050,
18.4531

■ 91.1710, 86.8041,
168.5720

■ 2.4791, 1.8456,
11.1030

117.2300,
112.5286, 209.1355

■ 0.8847, 0.5153,
6.0211

147.8340,
142.8911, 255.7341

■ 0.0000, 0.0000,
2.7889

183.3484,

■ 0.0000, 0.0000,

178.2758, 308.7863

0.9879

224.1387,
219.0673, 368.7107

■ 0.0000, 0.0000,
0.0000

■ 25.0787, 22.5973,
58.2983

■ 25.0787, 22.5973,
58.2983

■ 20.6173, 17.2203,
57.4960

■ 30.5315, 29.0972,
59.2659

■ 17.0848, 12.8999,
56.8483

■ 37.0280, 36.7764,
60.4058

■ 14.4158, 9.5667,
56.3456

■ 44.6198, 45.6902,
61.7262

■ 12.5348, 7.1416,
55.9766

■ 53.3543, 55.8900,
63.2346

■ 11.3532, 5.5333,
55.7285

■ 63.2763, 67.4239,
64.9379

■ 10.8160, 4.7637,
55.6082

■ 74.4279, 80.3379,
66.8428

■ 86.2196, 94.3509,
68.9261

■ 87.5427, 96.9971,
69.3671

Harmonies

Analogous

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



20.1708, 22.5973, 61.1837



25.0787, 22.5973, 58.2983



29.5767, 22.5973, 44.9251

Triad

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



25.0787, 22.5973, 58.2983



27.7304, 22.5973, 9.1314



13.5701, 22.5973, 20.9768

Complementary

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



25.0787, 22.5973, 58.2983



46.0903, 51.3789, 24.0120

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.



15.0117, 22.5973, 11.5757



25.0787, 22.5973, 58.2983



22.8406, 22.5973, 6.6087

Square

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



25.0787, 22.5973, 58.2983



31.2597, 22.5973, 16.0601



18.2397, 22.5973, 7.2962



13.9849, 22.5973, 35.7429

Rectangle

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



25.0787, 22.5973, 58.2983



31.5006, 22.5973, 33.8877



18.2397, 22.5973, 7.2962



13.8448, 22.5973, 17.1935

Sweetspot

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



25.0795, 22.5981, 58.2988



75.1508, 76.7709, 105.4651



37.5030, 49.2522, 56.8690



15.4353, 15.6702, 22.4611



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.



25.0795, 22.5981, 58.2988



35.6920, 29.9599, 98.5094



29.1075, 23.0594, 58.1756



10.1456, 10.4652, 13.4027



6.8336, 3.0611, 34.9750



0.3549, 0.2076, 1.6665

Inverse Universe

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



34.0352, 26.3900, 22.7027



53.2069, 37.7704, 28.8044



40.2771, 51.4055, 24.3236



10.6787, 10.6549, 11.2916



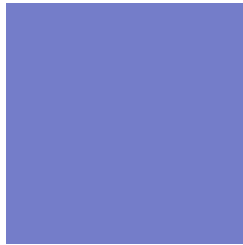
15.2486, 7.8490, 1.2531



0.7378, 0.3780, 0.1426

Previews

White Background



This preview shows how the XYZ color 25.0787, 22.5973, 58.2983 looks on a white background.

Color Contrast Check

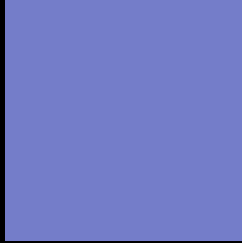
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0787, 22.5973, 58.2983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

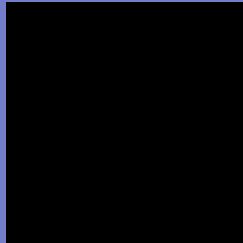
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.0787, 22.5973, 58.2983

Background



This preview shows how black text looks on a background with the XYZ color 25.0787, 22.5973, 58.2983.



This preview shows how white text looks on a background with the XYZ color 25.0787, 22.5973,

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

25.0787, 22.5973, 58.2983

Protanopia

24.2118, 22.6815, 60.2286

Deuteranopia

23.2318, 22.6222, 57.7857



Tritanopia

19.5501, 22.5397, 30.9240

Trichromacy



Original Color

25.0787, 22.5973, 58.2983

Protanomaly

24.5532, 22.6787, 59.5832

Deuteranomaly

23.7380, 22.4920, 57.7339

Tritanomaly

21.2897, 22.4183, 39.7643

Monochromacy



Original Color

25.0787, 22.5973, 58.2983

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.4552, 22.5364, 34.6189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0787, 22.5973, 58.2983 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(116, 125, 201)` looks like.

```
.text, #text, p{  
    color:rgb(116, 125, 201)  
}
```

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(116, 125, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 125, 201) }
```

Border

The CSS property to change the border of an element to XYZ 25.0787, 22.5973, 58.2983 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(116, 125, 201) }
```


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

```
.border{ border-color:rgb(116, 125, 201) }
```

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

Here you see how a box with a 4 pixel rgb(116, 125, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 125, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 125, 201);  
box-shadow:4px 4px 4px 4px rgb(116, 125,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0787, 22.5973, 58.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 125, 201) }
```

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

```
.background{ background-color: rgb(116,  
125, 201) }
```

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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