

Converting Colors

XYZ(25.3969, 22.7706, 55.3721)

Have a look what the booklet for
XYZ(25.3969, 22.7706, 55.3721)
contains.

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Color

**XYZ(25.4658, 22.8637,
55.2955)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7DC4
RGB	123, 125, 196
RGB Percent	48%, 49%, 77%
CMY	0.5176, 0.5098, 0.2314
CMYK	0.37, 0.36, 0.00, 0.23
HSL	238°, 38%, 63%
HSV	238°, 37%, 77%
XYZ	25.4658, 22.8637, 55.2955
YIQ	132.4960, -23.9830, 21.6570

Conversions

Conversions Part 2

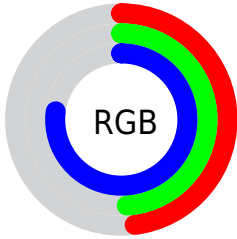
Format	Color
R _Y B	123, 125, 196
Decimal	8093124
CIE _{Lab}	54.93, 16.60, -37.27
CIE _{LCh}	55, 40.798, 294.004
Y _{xy}	22.8637, 0.2457, 0.2206
Android (android.graphics.Color)	4286283204 (0xFF7B7DC4)
Y _{UV}	132.4960, 31.3075, -8.3280
Hunter-Lab	47.8160, 11.3874, -35.0931

Details

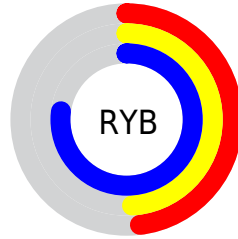
The XYZ color **25.4658, 22.8637, 55.2955** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **45.6327, 51.7503, 26.3237**, and the grayscale version is **22.0085, 23.1546, 25.2154**.

A 20% lighter version of the original color is **52.0101, 48.3976, 99.5290**, and **9.9927, 8.4240, 26.6905** is the 20% darker color. If you saturate the color by 10%, you get **20.7515, 17.1885, 54.4490**, and if you desaturate by 10%, it is **31.2062, 29.7562, 56.3238**.

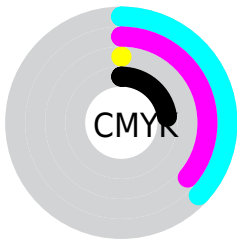
Distribution



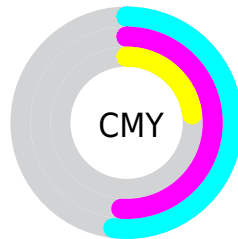
- Red (48%)
- Green (49%)
- Blue (77%)



- Red (48%)
- Yellow (49%)
- Blue (77%)



- Cyan (37%)
- Magenta (36%)
- Yellow (0%)
- Black (23%)



- Cyan (52%)
- Magenta (51%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4658, 22.8637, 55.2955 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 25.4658, 22.8637, 55.2955 by changing the saturation by 10% instead.

■ 25.4658, 22.8637,
55.2955

■ 25.4658, 22.8637,
55.2955

272.4548,
267.0242, 424.3446

■ 16.5550, 14.4929,
39.2382

■ 51.8494, 48.1694,
99.4493

■ 10.0111, 8.4643,
26.6358

■ 70.0528, 65.8731,
128.3828

■ 5.4686, 4.3934,
17.0699

■ 92.0846, 87.4566,
162.4454

■ 2.5623, 1.8960,
10.1218

118.3099,
113.3042, 202.0557

■ 0.9268, 0.5460,
5.3732

149.0943,
143.8004, 247.6323

■ 0.0000, 0.0000,
2.4053

184.8030,

■ 0.0000, 0.0000,

179.3295, 299.5936

0.7893

225.8014,
220.2760, 358.3581

■ 0.0000, 0.0000,
0.0000

■ 25.4658, 22.8637,
55.2955

■ 25.4658, 22.8637,
55.2955

■ 20.7515, 17.1885,
54.4490

■ 31.2062, 29.7562,
56.3238

■ 17.0006, 12.6576,
53.7721

■ 38.0256, 37.9284,
57.5417

■ 14.1473, 9.1939,
53.2539

■ 45.9763, 47.4414,
58.9589

■ 12.1165, 6.7102,
52.8816

■ 55.1062, 58.3516,
60.5836

■ 10.8212, 5.1050,
52.6400

■ 65.4608, 70.7122,
62.4237

■ 10.1469, 4.2512,
52.5107

■ 77.0829, 84.5737,
64.4866

■ 10.0221, 4.1021,
52.4885

■ 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.



20.8351, 22.8637, 58.8032



25.4658, 22.8637, 55.2955



29.5569, 22.8637, 42.5965

Triad

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



25.4658, 22.8637, 55.2955



27.2557, 22.8637, 9.6883



14.1768, 22.8637, 22.3817

Complementary

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



25.4658, 22.8637, 55.2955



45.6327, 51.7503, 26.3237

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.



15.4254, 22.8637, 12.9350



25.4658, 22.8637, 55.2955



22.6527, 22.8637, 7.4280

Square

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



25.4658, 22.8637, 55.2955



30.6865, 22.8637, 16.0726



18.3809, 22.8637, 8.3662



14.7135, 22.8637, 36.4677

Rectangle

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



25.4658, 22.8637, 55.2955



31.2125, 22.8637, 32.4110



18.3809, 22.8637, 8.3662



14.3954, 22.8637, 18.6407

Sweetspot

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



25.4666, 22.8646, 55.2960



77.3787, 78.8746, 105.7538



37.5980, 47.5670, 57.9843



16.1354, 16.3718, 22.5596



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.



25.4666, 22.8646, 55.2960



38.7889, 32.5801, 98.8519



30.9653, 25.3273, 55.4816



9.5499, 9.7912, 12.6714



6.4499, 2.6564, 33.7294



0.2865, 0.1304, 1.4599

Inverse Universe

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



33.5503, 27.3833, 22.9200



55.6424, 42.0844, 31.3332



38.2026, 48.5849, 26.1043



10.0841, 10.0823, 10.5336



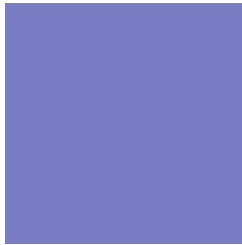
14.6516, 7.5504, 0.8115



0.6370, 0.3278, 0.0558

Previews

White Background



This preview shows how the XYZ color 25.4658, 22.8637, 55.2955 looks on a white background.

Color Contrast Check

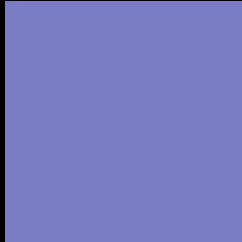
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4658, 22.8637, 55.2955 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 25.4658, 22.8637, 55.2955

Background



This preview shows how black text looks on a background with the XYZ color 25.4658, 22.8637, 55.2955.

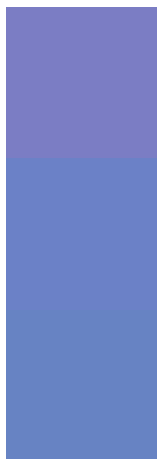


This preview shows how white text looks on a background with the XYZ color 25.4658, 22.8637,

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

25.4658, 22.8637, 55.2955

Protanopia

24.2225, 22.9498, 57.1859

Deuteranopia

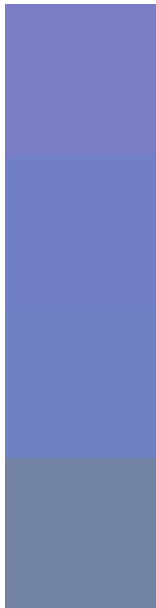
23.5601, 23.0563, 54.8383



Tritanopia

20.4078, 22.7828, 30.5160

Trichromacy



Original Color

25.4658, 22.8637, 55.2955

Protanomaly

24.7223, 23.0263, 56.5676

Deuteranomaly

24.1310, 22.9556, 54.7888

Tritanomaly

21.8874, 22.5578, 38.3225

Monochromacy



Original Color

25.4658, 22.8637, 55.2955

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.8199, 22.7342, 34.1957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4658, 22.8637, 55.2955 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(123, 125, 196)` looks like.

```
.text, #text, p{  
    color:rgb(123, 125, 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(123, 125, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 125, 196) }
```

Border

The CSS property to change the border of an element to XYZ 25.4658, 22.8637, 55.2955 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(123, 125, 196) }
```


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

```
.border{ border-color:rgb(123, 125, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 125, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 125, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 125, 196);  
box-shadow:4px 4px 4px 4px rgb(123, 125,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4658, 22.8637, 55.2955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 125, 196) }
```

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

```
.background{ background-color: rgb(123,  
125, 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](#).

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