

Converting Colors

XYZ(25.8624, 23.2570, 69.5703)

Have a look what the booklet for
XYZ(25.8624, 23.2570, 69.5703)
contains.

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Color

**XYZ(25.8536, 23.3251,
69.4692)**

Conversions

Conversions Part 1

Format	Color
Hex	6680DA
RGB	102, 128, 218
RGB Percent	40%, 50%, 85%
CMY	0.6000, 0.4980, 0.1451
CMYK	0.53, 0.41, 0.00, 0.15
HSL	227°, 61%, 63%
HSV	227°, 53%, 85%
XYZ	25.8536, 23.3251, 69.4692
YIQ	130.4860, -44.3860, 22.4780

Conversions

Conversions Part 2

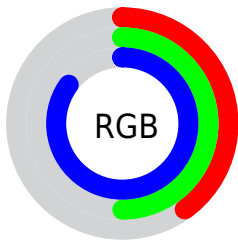
Format	Color
RYB	102, 123, 218
Decimal	6717658
CIELab	55.41, 16.18, -49.06
CIELCh	55, 51.663, 288.253
Yxy	23.3251, 0.2179, 0.1966
Android (android.graphics.Color)	4284907738 (0xFF6680DA)
YUV	130.4860, 43.1444, -24.9822
Hunter-Lab	48.2961, 11.0356, -51.4757

Details

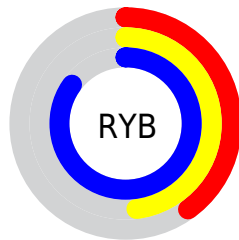
The XYZ color **25.8536, 23.3251, 69.4692** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **50.1630, 53.5665, 20.2674**, and the grayscale version is **21.2542, 22.3611, 24.3512**.

A 20% lighter version of the original color is **48.8685, 47.3361, 101.1689**, and **10.1543, 8.6319, 35.3134** is the 20% darker color. If you saturate the color by 10%, you get **21.6746, 18.1644, 68.6938**, and if you desaturate by 10%, it is **31.0517, 29.5578, 70.3987**.

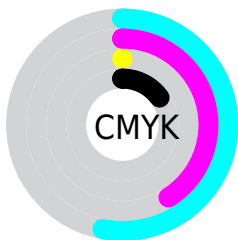
Distribution



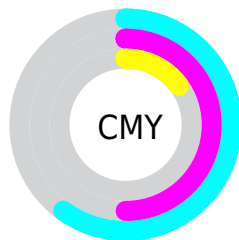
- Red (40%)
- Green (50%)
- Blue (85%)



- Red (40%)
- Yellow (48%)
- Blue (85%)



- Cyan (53%)
- Magenta (41%)
- Yellow (0%)
- Black (15%)



- Cyan (60%)
- Magenta (50%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8536, 23.3251, 69.4692 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 25.8536, 23.3251, 69.4692 by changing the saturation by 10% instead.

■ 25.8536, 23.3251,
69.4692

■ 25.8536, 23.3251,
69.4692

274.3326,
269.3904, 477.4227

■ 16.8463, 14.8337,
50.6198

■ 52.4717, 48.9266,
120.1255

■ 10.2196, 8.7028,
35.5315

■ 70.8131, 66.8055,
152.7695

■ 5.6082, 4.5478,
23.7858

■ 92.9966, 88.5824,
190.8487

■ 2.6467, 1.9845,
14.9640

■ 119.3875,
114.6417, 234.7817

■ 0.9698, 0.5984,
8.6478

150.3512,
145.3677, 284.9871

■ 0.0000, 0.0000,
4.4185

186.2530,

■ 0.0000, 0.0000,

181.1449, 341.8834

1.8576

227.4584,
222.3577, 405.8891

■ 0.0000, 0.0000,
0.4656

■ 0.0000, 0.0000,
0.0000

■ 25.8536, 23.3251,
69.4692

■ 25.8536, 23.3251,
69.4692

■ 21.6746, 18.1644,
68.6938

■ 31.0517, 29.5578,
70.3987

■ 18.4417, 14.0099,
68.0623

■ 37.3296, 36.9179,
71.4885

■ 16.0758, 10.7920,
67.5659

■ 44.7463, 45.4599,
72.7464

■ 14.4828, 8.4298,
67.1939

■ 53.3556, 55.2336,
74.1791

■ 13.7473, 7.2466,
67.0043

■ 63.2080, 66.2862,
75.7932

■ 74.3507, 78.6623,
77.5948

■ 86.8288, 92.4042,
79.5896

■ 89.6550, 97.8420,
80.4902

Harmonies

Analogous

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



19.9737, 23.3251, 71.3224



25.8536, 23.3251, 69.4692



31.5859, 23.3251, 53.1882

Triad

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



25.8536, 23.3251, 69.4692



30.4650, 23.3251, 8.2316



12.9375, 23.3251, 19.4281

Complementary

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



25.8536, 23.3251, 69.4692



50.1630, 53.5665, 20.2674

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.



14.8400, 23.3251, 9.5026



25.8536, 23.3251, 69.4692



24.5212, 23.3251, 5.1935

Square

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



25.8536, 23.3251, 69.4692



34.5519, 23.3251, 16.6413



18.8537, 23.3251, 5.5264



13.1679, 23.3251, 36.7854

Rectangle

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



25.8536, 23.3251, 69.4692



34.2399, 23.3251, 39.1804



18.8537, 23.3251, 5.5264



13.3331, 23.3251, 15.2973

Sweetspot

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



25.8545, 23.3259, 69.4698



72.3196, 74.5055, 105.1771



39.9486, 56.7270, 58.0968



14.9257, 15.3195, 22.4202



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.



25.8545, 23.3259, 69.4698



30.2118, 25.0213, 97.8450



27.0700, 19.5474, 68.6764



12.5742, 13.0882, 16.5157



8.3026, 4.4745, 40.1645



0.6028, 0.4198, 2.6237

Inverse Universe

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



37.5620, 25.9680, 23.4552



48.9708, 30.4481, 23.8477



47.9805, 61.6761, 21.9478



13.1749, 13.0991, 14.1825



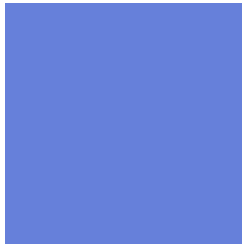
17.6861, 9.0755, 2.7270



1.1786, 0.6011, 0.3493

Previews

White Background



This preview shows how the XYZ color 25.8536, 23.3251, 69.4692 looks on a white background.

Color Contrast Check

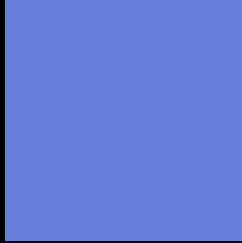
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8536, 23.3251, 69.4692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

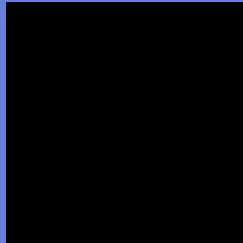
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.8536, 23.3251, 69.4692

Background



This preview shows how black text looks on a background with the XYZ color 25.8536, 23.3251, 69.4692.

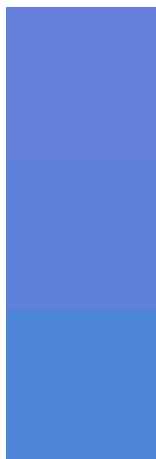


This preview shows how white text looks on a background with the XYZ color 25.8536, 23.3251,

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

25.8536, 23.3251, 69.4692

Protanopia

25.3558, 23.2479, 70.1687

Deuteranopia

24.1364, 23.4471, 68.8993



Tritanopia

18.7310, 23.3514, 33.6570

Trichromacy



Original Color

25.8536, 23.3251, 69.4692

Protanomaly

25.6734, 23.4117, 70.1836

Deuteranomaly

24.5712, 23.2686, 68.8419

Tritanomaly

20.9060, 23.1404, 44.9596

Monochromacy



Original Color

25.8536, 23.3251, 69.4692

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

22.1176, 22.3022, 37.3215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8536, 23.3251, 69.4692 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(102, 128, 218)` looks like.

```
.text, #text, p{  
    color:rgb(102, 128, 218)  
}
```

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(102, 128, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 128, 218) }
```

Border

The CSS property to change the border of an element to XYZ 25.8536, 23.3251, 69.4692 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(102, 128, 218) }
```


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

```
.border{ border-color:rgb(102, 128, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 128, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 128, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 128, 218);  
box-shadow:4px 4px 4px 4px rgb(102, 128,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8536, 23.3251, 69.4692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 128, 218) }
```

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

```
.background{ background-color: rgb(102,  
128, 218) }
```

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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