

Converting Colors

XYZ(26.8542, 25.0823, 67.7160)

Have a look what the booklet for
XYZ(26.8542, 25.0823, 67.7160)
contains.

XYZ(26.8542, 25.0823, 67.7160)	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(26.8542, 25.0823,
67.7160)**

Conversions

Conversions Part 1

Format	Color
Hex	6B86D7
RGB	107, 134, 215
RGB Percent	42%, 53%, 84%
CMY	0.5804, 0.4745, 0.1569
CMYK	0.50, 0.38, 0.00, 0.16
HSL	225°, 57%, 63%
HSV	225°, 50%, 84%
XYZ	26.8542, 25.0823, 67.7160
YIQ	135.1610, -42.0930, 19.4670

Conversions

Conversions Part 2

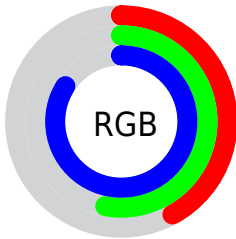
Format	Color
RYB	107, 129, 215
Decimal	7046871
CIELab	57.16, 12.77, -44.59
CIElCh	57, 46.377, 285.977
Yxy	25.0823, 0.2244, 0.2096
Android (android.graphics.Color)	4285236951 (0xFF6B86D7)
YUV	135.1610, 39.3606, -24.6972
Hunter-Lab	50.0822, 8.0682, -45.1082

Details

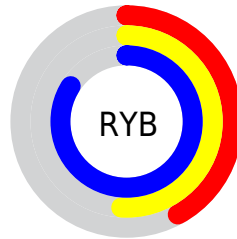
The XYZ color **26.8542, 25.0823, 67.7160** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **48.6625, 51.4766, 21.2823**, and the grayscale version is **22.9594, 24.1551, 26.3049**.

A 20% lighter version of the original color is **51.1302, 50.6532, 101.6899**, and **10.8126, 9.6634, 34.5531** is the 20% darker color. If you saturate the color by 10%, you get **22.5220, 19.7892, 66.9232**, and if you desaturate by 10%, it is **32.1707, 31.3881, 68.6534**.

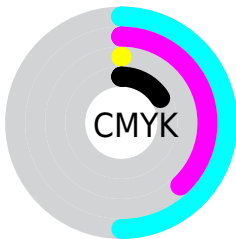
Distribution



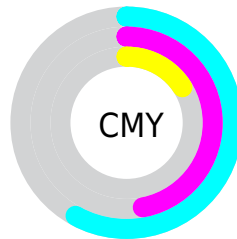
- Red (42%)
- Green (53%)
- Blue (84%)



- Red (42%)
- Yellow (51%)
- Blue (84%)



- Cyan (50%)
- Magenta (38%)
- Yellow (0%)
- Black (16%)



- Cyan (58%)
- Magenta (47%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8542, 25.0823, 67.7160 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 26.8542, 25.0823, 67.7160 by changing the saturation by 10% instead.

■ 26.8542, 25.0823,
67.7160

■ 26.8542, 25.0823,
67.7160

279.1309,
278.2476, 471.0598

■ 17.5998, 16.1384,
49.2015

■ 54.0714, 51.7907,
117.5961

■ 10.7610, 9.6221,
34.4126

■ 72.7648, 70.3240,
149.7988

■ 5.9724, 5.1491,
22.9308

■ 95.3353, 92.8225,
187.4013

■ 2.8688, 2.3350,
14.3376

122.1482,
119.6707, 230.8222

■ 1.0848, 0.7922,
8.2144

153.5688,
151.2529, 280.4799

■ 0.0123, 0.0000,
4.1427

189.9626,

■ 0.0000, 0.0000,

187.9535, 336.7931

1.7040

231.6949,
230.1569, 400.1802

■ 0.0000, 0.0000,
0.3634

■ 0.0000, 0.0000,
0.0000

■ 26.8542, 25.0823,
67.7160

■ 26.8542, 25.0823,
67.7160

■ 22.5220, 19.7892,
66.9232

■ 32.1707, 31.3881,
68.6534

■ 19.1074, 15.4504,
66.2657

■ 38.5266, 38.7552,
69.7404

■ 16.5394, 12.0053,
65.7360

■ 45.9761, 47.2320,
70.9840

■ 14.7342, 9.3839,
65.3252

■ 54.5687, 56.8631,
72.3901

■ 13.5733, 7.5212,
65.0269

■ 64.3510, 67.6906,
73.9644

■ 75.3667, 79.7543,
75.7124

■ 86.7298, 92.6142,
77.5957

■ 89.2658, 97.6863,
78.4410

Harmonies

Analogous

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



21.3809, 25.0823, 68.2045



26.8542, 25.0823, 67.7160



32.2319, 25.0823, 54.0510

Triad

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



26.8542, 25.0823, 67.7160



31.9226, 25.0823, 10.8708



15.0215, 25.0823, 20.6419

Complementary

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



26.8542, 25.0823, 67.7160



48.6625, 51.4766, 21.2823

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.



17.0479, 25.0823, 11.2688



26.8542, 25.0823, 67.7160



26.4807, 25.0823, 7.2694

Square

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



26.8542, 25.0823, 67.7160



35.4498, 25.0823, 19.8290



21.0602, 25.0823, 7.3800



15.0899, 25.0823, 36.4702

Rectangle

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



26.8542, 25.0823, 67.7160



34.7963, 25.0823, 41.5017



21.0602, 25.0823, 7.3800



15.4650, 25.0823, 16.7905

Sweetspot

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



26.8552, 25.0832, 67.7166



73.8723, 76.4960, 105.4795



39.4419, 55.3583, 56.1843



15.2434, 15.7354, 22.4838



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.



26.8552, 25.0832, 67.7166



32.9439, 28.8735, 98.4446



27.3561, 20.4913, 66.8039



11.9923, 12.5081, 15.7198



8.1898, 4.6413, 38.9174



0.5603, 0.4126, 2.3694

Inverse Universe

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



37.5859, 26.6848, 25.7247



50.7433, 32.6635, 28.5371



47.6942, 60.3545, 23.0470



12.5493, 12.4712, 13.5670



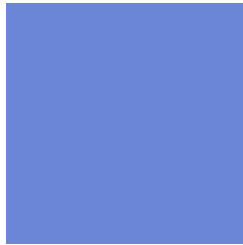
17.1927, 8.8134, 3.0527



1.0705, 0.5450, 0.3605

Previews

White Background



This preview shows how the XYZ color 26.8542, 25.0823, 67.7160 looks on a white background.

Color Contrast Check

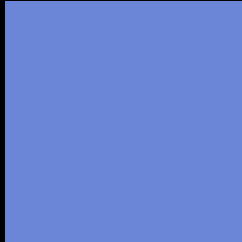
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8542, 25.0823, 67.7160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

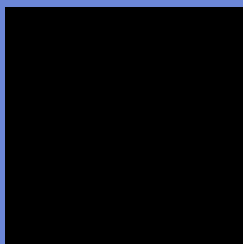
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 26.8542, 25.0823, 67.7160

Background



This preview shows how black text looks on a background with the XYZ color 26.8542, 25.0823, 67.7160.



This preview shows how white text looks on a background with the XYZ color 26.8542, 25.0823,

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

26.8542, 25.0823, 67.7160

Protanopia

26.8542, 25.0823, 67.7160

Deuteranopia

25.8026, 25.1793, 67.1185



Tritanopia

20.5703, 25.1502, 36.1181

Trichromacy



Original Color

26.8542, 25.0823, 67.7160

Protanomaly

26.8542, 25.0823, 67.7160

Deuteranomaly

26.0873, 25.1160, 67.0913

Tritanomaly

22.6336, 25.0875, 46.2973

Monochromacy



Original Color

26.8542, 25.0823, 67.7160

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.8223, 24.3683, 38.5699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.8542, 25.0823, 67.7160 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(107, 134, 215)` looks like.

```
.text, #text, p{  
    color:rgb(107, 134, 215)  
}
```

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(107, 134, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 134, 215) }
```

Border

The CSS property to change the border of an element to XYZ 26.8542, 25.0823, 67.7160 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(107, 134, 215) }
```


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

```
.border{ border-color:rgb(107, 134, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 134, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 134, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 134, 215);  
box-shadow:4px 4px 4px 4px rgb(107, 134,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 26.8542, 25.0823, 67.7160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 134, 215) }
```

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

```
.background{ background-color: rgb(107,  
134, 215) }
```

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