

Converting Colors

XYZ(27.5639, 27.1214, 69.4276)

Have a look what the booklet for
XYZ(27.5639, 27.1214, 69.4276)
contains.

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Color

**XYZ(27.5642, 27.1225,
69.4280)**

Conversions

Conversions Part 1

Format	Color
Hex	658ED9
RGB	101, 142, 217
RGB Percent	40%, 56%, 85%
CMY	0.6039, 0.4431, 0.1490
CMYK	0.53, 0.35, 0.00, 0.15
HSL	219°, 60%, 62%
HSV	219°, 53%, 85%
XYZ	27.5642, 27.1225, 69.4280
YIQ	138.2910, -48.5110, 14.6330

Conversions

Conversions Part 2

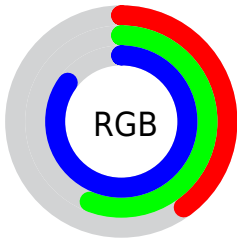
Format	Color
RYB	101, 131, 217
Decimal	6655705
CIELab	59.09, 7.30, -42.68
CIELCh	59, 43.302, 279.711
Yxy	27.1225, 0.2221, 0.2185
Android (android.graphics.Color)	4284845785 (0xFF658ED9)
YUV	138.2910, 38.8035, -32.7042
Hunter-Lab	52.0793, 3.3367, -42.5853

Details

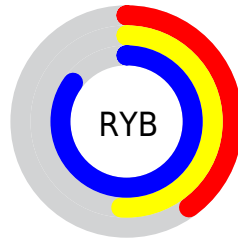
The XYZ color **27.5642, 27.1225, 69.4280** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **46.4908, 46.7436, 18.8853**, and the grayscale version is **24.1392, 25.3963, 27.6566**.

A 20% lighter version of the original color is **51.6657, 53.5193, 102.2149**, and **11.1481, 10.6750, 35.6553** is the 20% darker color. If you saturate the color by 10%, you get **23.4899, 22.1161, 68.6770**, and if you desaturate by 10%, it is **32.5447, 32.9869, 70.2980**.

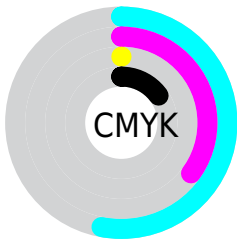
Distribution



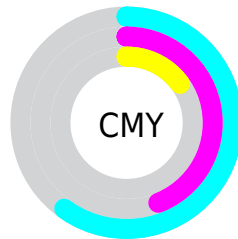
- Red (40%)
- Green (56%)
- Blue (85%)



- Red (40%)
- Yellow (51%)
- Blue (85%)



- Cyan (53%)
- Magenta (35%)
- Yellow (0%)
- Black (15%)



- Cyan (60%)
- Magenta (44%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5642, 27.1225, 69.4280 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 27.5642, 27.1225, 69.4280 by changing the saturation by 10% instead.

■ 27.5642, 27.1225,
69.4280

■ 27.5642, 27.1225,
69.4280

282.4966,
288.2498, 477.2738

■ 18.1362, 17.6652,
50.5864

■ 55.2014, 55.0804,
120.0661

■ 11.1481, 10.7099,
35.5051

■ 74.1414, 74.3498,
152.6998

■ 6.2346, 5.8721,
23.7656

■ 96.9826, 97.6587,
190.7679

■ 3.0302, 2.7675,
14.9492

■ 124.0906,
125.3915, 234.6889

■ 1.1698, 1.0116,
8.6375

155.8306,
157.9327, 284.8815

■ 0.0823, 0.0000,
4.4120

192.5681,

■ 0.0000, 0.0000,

195.6665, 341.7642

1.8540

234.6683,
238.9774, 405.7554

■ 0.0000, 0.0000,
0.4632

■ 0.0000, 0.0000,
0.0000

■ 27.5642, 27.1225,
69.4280

■ 27.5642, 27.1225,
69.4280

■ 23.4899, 22.1161,
68.6770

■ 32.5447, 32.9869,
70.2980

■ 20.2572, 17.9189,
68.0372

■ 38.4836, 39.7488,
71.2901

■ 17.7973, 14.4804,
67.5031

■ 45.4324, 47.4481,
72.4100

■ 16.0270, 11.7413,
67.0677

■ 53.4381, 56.1214,
73.6622

■ 15.1571, 10.2751,
66.8306

■ 62.5444, 65.8033,
75.0510

■ 72.7926, 76.5264,
76.5807

■ 84.2217, 88.3219,
78.2550

■ 89.2844, 97.3097,
79.7230

■ 89.5245, 97.7898,
79.8030

Harmonies

Analogous

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



22.3552, 27.1225, 66.9581



27.5642, 27.1225, 69.4280



32.9713, 27.1225, 58.6962

Triad

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



27.5642, 27.1225, 69.4280



34.5861, 27.1225, 14.3565



17.2410, 27.1225, 20.4022

Complementary

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



27.5642, 27.1225, 69.4280



46.4908, 46.7436, 18.8853

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.



19.7172, 27.1225, 12.0983



27.5642, 27.1225, 69.4280



29.5360, 27.1225, 9.5452

Square

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



27.5642, 27.1225, 69.4280



37.3819, 27.1225, 24.8099



24.0728, 27.1225, 8.8947



16.8662, 27.1225, 34.8178

Rectangle

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



27.5642, 27.1225, 69.4280



35.7857, 27.1225, 47.1404



24.0728, 27.1225, 8.8947



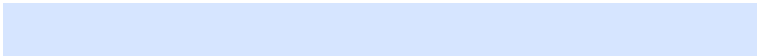
17.8370, 27.1225, 16.9657

Sweetspot

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



27.5652, 27.1234, 69.4287



73.7543, 77.3749, 105.6553



37.8663, 55.4674, 48.9951



15.2648, 15.9976, 22.5333



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.



27.5652, 27.1234, 69.4287



33.2674, 31.1324, 98.8635



24.4439, 18.0635, 67.8444



12.7133, 13.3664, 16.5620



9.2656, 6.4007, 40.4855



0.6798, 0.5737, 2.6493

Inverse Universe

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



38.1523, 26.0132, 28.6023



50.5131, 31.0650, 31.9693



51.3937, 63.0575, 21.7758



13.2452, 13.1272, 14.5523



18.1722, 9.2699, 5.2868



1.2174, 0.6166, 0.5538

Previews

White Background



This preview shows how the XYZ color 27.5642, 27.1225, 69.4280 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 27.5642, 27.1225, 69.4280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

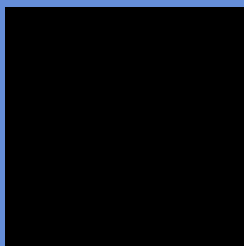
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

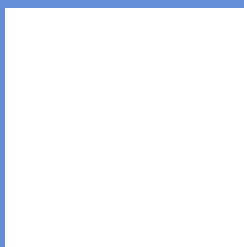
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5642, 27.1225, 69.4280

Background



This preview shows how black text looks on a background with the XYZ color 27.5642, 27.1225, 69.4280.

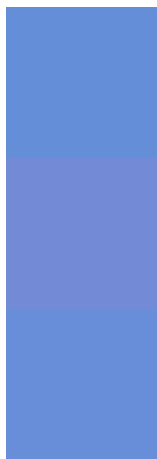


This preview shows how white text looks on a background with the XYZ color 27.5642, 27.1225,

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

27.5642, 27.1225, 69.4280

Protanopia

28.5686, 27.0164, 67.9989

Deuteranopia

27.7582, 27.0026, 69.3946



Tritanopia

21.5870, 27.0121, 39.6734

Trichromacy



Original Color

27.5642, 27.1225, 69.4280

Protanomaly

28.2032, 27.0290, 68.6964

Deuteranomaly

27.6428, 26.9431, 69.3892

Tritanomaly

23.4581, 26.8142, 49.2867

Monochromacy



Original Color

27.5642, 27.1225, 69.4280

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.6651, 25.6152, 40.2035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5642, 27.1225, 69.4280 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(101, 142, 217)` looks like.

```
.text, #text, p{  
    color:rgb(101, 142, 217)  
}
```

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(101, 142, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 142, 217) }
```

Border

The CSS property to change the border of an element to XYZ 27.5642, 27.1225, 69.4280 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(101, 142, 217) }
```


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

```
.border{ border-color:rgb(101, 142, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 142, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 142, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 142, 217);  
box-shadow:4px 4px 4px 4px rgb(101, 142,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5642, 27.1225, 69.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 142, 217) }
```

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

```
.background{ background-color: rgb(101,  
142, 217) }
```

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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