

Converting Colors

XYZ(24.8127, 22.6164, 65.1137)

Have a look what the booklet for
XYZ(24.8127, 22.6164, 65.1137)
contains.

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Color

**XYZ(24.9525, 22.7570,
65.3648)**

Conversions

Conversions Part 1

Format	Color
Hex	667FD4
RGB	102, 127, 212
RGB Percent	40%, 50%, 83%
CMY	0.6000, 0.5020, 0.1686
CMYK	0.52, 0.40, 0.00, 0.17
HSL	226°, 56%, 62%
HSV	226°, 52%, 83%
XYZ	24.9525, 22.7570, 65.3648
YIQ	129.2150, -42.1850, 21.1350

Conversions

Conversions Part 2

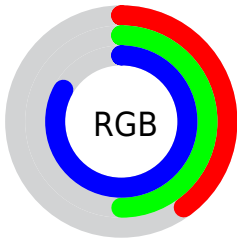
Format	Color
RYB	102, 122, 212
Decimal	6717396
CIELab	54.82, 14.89, -46.61
CIELCh	55, 48.933, 287.719
Yxy	22.7570, 0.2207, 0.2013
Android (android.graphics.Color)	4284907476 (0xFF667FD4)
YUV	129.2150, 40.8130, -23.8676
Hunter-Lab	47.7043, 9.8848, -47.8466

Details

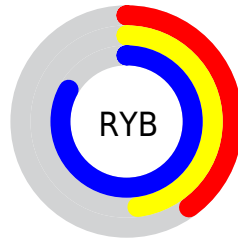
The XYZ color **24.9525, 22.7570, 65.3648** is a dark color, and the websafe version is hex **6699FF**. A complement of this color would be **47.3212, 50.4987, 19.8247**, and the grayscale version is **20.8144, 21.8984, 23.8473**.

A 20% lighter version of the original color is **48.4682, 46.8311, 101.0925**, and **9.7246, 8.3545, 32.9983** is the 20% darker color. If you saturate the color by 10%, you get **20.9034, 17.7803, 64.6181**, and if you desaturate by 10%, it is **29.9617, 28.7400, 66.2561**.

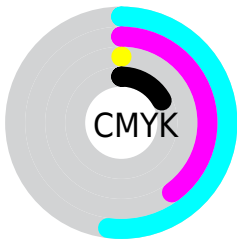
Distribution



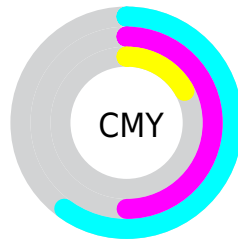
- Red (40%)
- Green (50%)
- Blue (83%)



- Red (40%)
- Yellow (48%)
- Blue (83%)



- Cyan (52%)
- Magenta (40%)
- Yellow (0%)
- Black (17%)



- Cyan (60%)
- Magenta (50%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9525, 22.7570, 65.3648 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 24.9525, 22.7570, 65.3648 by changing the saturation by 10% instead.

■ 24.9525, 22.7570,
65.3648

■ 24.9525, 22.7570,
65.3648

269.9533,
266.4744, 462.4438

■ 16.1702, 14.4142,
47.3037

■ 51.0236, 47.9940,
114.1925

■ 9.7363, 8.4093,
32.9198

■ 69.0431, 65.6570,
145.7961

■ 5.2854, 4.3579,
21.7944

■ 90.8724, 87.1955,
182.7511

■ 2.4521, 1.8757,
13.5090

■ 116.8769,
112.9939, 225.4758

■ 0.8712, 0.5337,
7.6451

147.4219,
143.4366, 274.3889

■ 0.0000, 0.0000,
3.7842

182.8727,

■ 0.0000, 0.0000,

178.9080, 329.9089

1.5077

223.5947,
219.7925, 392.4544

■ 0.0000, 0.0000,
0.2237

■ 0.0000, 0.0000,
0.0000

■ 24.9525, 22.7570,
65.3648

■ 24.9525, 22.7570,
65.3648

■ 20.9034, 17.7803,
64.6181

■ 29.9617, 28.7400,
66.2561

■ 17.7473, 13.7496,
64.0064

■ 35.9865, 35.7800,
67.2974

■ 15.4122, 10.6015,
63.5218

■ 43.0814, 43.9268,
68.4960

■ 13.8127, 8.2628,
63.1547

■ 51.2960, 53.2266,
69.8580

■ 12.9480, 6.8820,
62.9338

■ 60.6768, 63.7224,
71.3895

■ 71.2675, 75.4556,
73.0960

■ 83.1097, 88.4650,
74.9830

■ 88.8838, 97.5335,
76.4290

Harmonies

Analogous

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



19.4920, 22.7570, 66.7713



24.9525, 22.7570, 65.3648



30.2742, 22.7570, 50.7085

Triad

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



24.9525, 22.7570, 65.3648



29.4094, 22.7570, 8.6275



12.9751, 22.7570, 18.9669

Complementary

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



24.9525, 22.7570, 65.3648



47.3212, 50.4987, 19.8247

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.



14.8108, 22.7570, 9.6549



24.9525, 22.7570, 65.3648



23.9186, 22.7570, 5.5809

Square

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



24.9525, 22.7570, 65.3648



33.1278, 22.7570, 16.7730



18.6161, 22.7570, 5.8561



13.1576, 22.7570, 34.9956

Rectangle

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



24.9525, 22.7570, 65.3648



32.7530, 22.7570, 37.8761



18.6161, 22.7570, 5.8561



13.3620, 22.7570, 15.1131

Sweetspot

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



24.9534, 22.7578, 65.3654



72.3539, 74.5742, 105.1885



37.9223, 53.4718, 54.9637



14.9338, 15.3357, 22.4229



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.



24.9534, 22.7578, 65.3654



31.3333, 26.4842, 98.0683



26.0480, 19.1094, 64.6035



11.9693, 12.4620, 15.7121



8.0562, 4.3742, 38.8729



0.5494, 0.3909, 2.3658

Inverse Universe

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



35.7343, 25.0332, 23.0278



49.7273, 31.4797, 25.5837



45.3919, 58.0734, 21.3885



12.5377, 12.4666, 13.5058



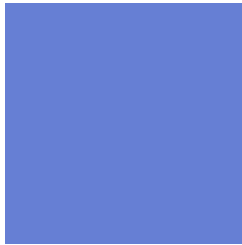
17.1253, 8.7864, 2.6978



1.0650, 0.5428, 0.3315

Previews

White Background



This preview shows how the XYZ color 24.9525, 22.7570, 65.3648 looks on a white background.

Color Contrast Check

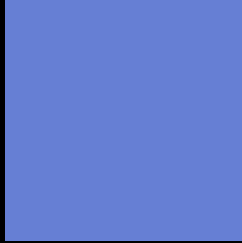
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9525, 22.7570, 65.3648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

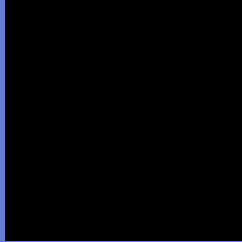
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.9525, 22.7570, 65.3648

Background



This preview shows how black text looks on a background with the XYZ color 24.9525, 22.7570, 65.3648.

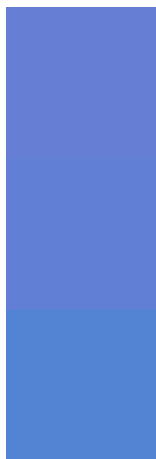


This preview shows how white text looks on a background with the XYZ color 24.9525, 22.7570,

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

24.9525, 22.7570, 65.3648

Protanopia

24.6592, 22.7838, 66.0488

Deuteranopia

23.4415, 22.7747, 64.7885



Tritanopia

18.4437, 22.7844, 32.7039

Trichromacy



Original Color

24.9525, 22.7570, 65.3648

Protanomaly

24.8750, 22.8951, 66.0589

Deuteranomaly

23.9570, 22.8421, 64.7743

Tritanomaly

20.3266, 22.4689, 42.8008

Monochromacy



Original Color

24.9525, 22.7570, 65.3648

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.5849, 21.8635, 35.8833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9525, 22.7570, 65.3648 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, 127, 212)` looks like.

```
.text, #text, p{  
    color:rgb(102, 127, 212)  
}
```

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, 127, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 127, 212) }
```

Border

The CSS property to change the border of an element to XYZ 24.9525, 22.7570, 65.3648 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, 127, 212) }
```


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

```
.border{ border-color:rgb(102, 127, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 127, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 127, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 127, 212);  
box-shadow:4px 4px 4px 4px rgb(102, 127,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9525, 22.7570, 65.3648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 127, 212) }
```

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

```
.background{ background-color: rgb(102,  
127, 212) }
```

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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