

Converting Colors

XYZ(24.2149, 19.4704, 68.3133)

Have a look what the booklet for
XYZ(24.2149, 19.4704, 68.3133)
contains.

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Color

**XYZ(24.1527, 19.4428,
68.1255)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6FD9
RGB	106, 111, 217
RGB Percent	42%, 44%, 85%
CMY	0.5843, 0.5647, 0.1490
CMYK	0.51, 0.49, 0.00, 0.15
HSL	237°, 59%, 63%
HSV	237°, 51%, 85%
XYZ	24.1527, 19.4428, 68.1255
YIQ	121.5890, -37.0060, 31.9060

Conversions

Conversions Part 2

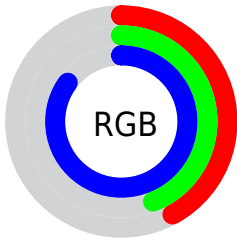
Format	Color
R _Y B	106, 111, 217
Decimal	6975449
CIE Lab	51.20, 27.04, -55.19
CIE LCh	51, 61.461, 296.098
Yxy	19.4428, 0.2162, 0.1740
Android (android.graphics.Color)	4285165529 (0xFF6A6FD9)
YUV	121.5890, 47.0376, -13.6716
Hunter-Lab	44.0940, 20.6098, -60.7376

Details

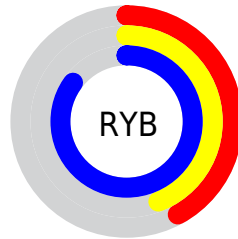
The XYZ color **24.1527, 19.4428, 68.1255** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **54.7619, 62.8819, 22.8883**, and the grayscale version is **18.2262, 19.1754, 20.8820**.

A 20% lighter version of the original color is **46.4570, 41.3069, 100.1322**, and **9.3051, 6.7755, 34.5356** is the 20% darker color. If you saturate the color by 10%, you get **19.8877, 14.2680, 67.3519**, and if you desaturate by 10%, it is **29.5963, 26.0041, 69.1055**.

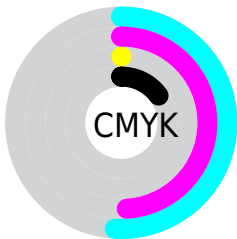
Distribution



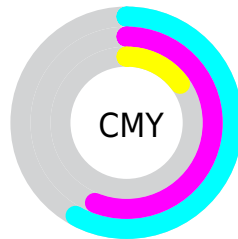
- Red (42%)
- Green (44%)
- Blue (85%)



- Red (42%)
- Yellow (44%)
- Blue (85%)



- Cyan (51%)
- Magenta (49%)
- Yellow (0%)
- Black (15%)



- Cyan (58%)
- Magenta (56%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1527, 19.4428, 68.1255 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 24.1527, 19.4428, 68.1255 by changing the saturation by 10% instead.

■ 24.1527, 19.4428,
68.1255

■ 24.1527, 19.4428,
68.1255

266.0177,
248.8825, 472.5507

■ 15.5723, 11.9907,
49.5325

■ 49.7321, 42.4810,
118.1876

■ 9.3109, 6.7373,
34.6735

■ 67.4619, 58.8359,
150.4937

■ 5.0033, 3.2984,
23.1300

■ 88.9721, 78.9271,
188.2081

■ 2.2840, 1.2894,
14.4833

■ 114.6281,
103.1391, 231.7491

■ 0.7864, 0.1330,
8.3150

144.7953,
131.8562, 281.5353

■ 0.0000, 0.0000,
4.2065

179.8391,

■ 0.0000, 0.0000,

165.4629, 337.9853

1.7393

220.1248,
204.3435, 401.5175

■ 0.0000, 0.0000,
0.3875

■ 0.0000, 0.0000,
0.0000

■ 24.1527, 19.4428,
68.1255

■ 24.1527, 19.4428,
68.1255

■ 19.8877, 14.2680,
67.3519

■ 29.5963, 26.0041,
69.1055

■ 16.7116, 10.3784,
66.7685

■ 36.2941, 34.0397,
70.3035

■ 14.5264, 7.6618,
66.3593

■ 44.3185, 43.6324,
71.7321

■ 13.2149, 5.9859,
66.1050

■ 53.7356, 54.8584,
73.4026

■ 12.6305, 5.2218,
65.9883

■ 64.6071, 67.7887,
75.3254

■ 76.9910, 82.4902,
77.5104

■ 89.5245, 97.7898,
79.8029

Harmonies

Analogous

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



17.6908, 19.4428, 75.7074



24.1527, 19.4428, 68.1255



30.0638, 19.4428, 46.0690

Triad

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



24.1527, 19.4428, 68.1255



25.8482, 19.4428, 3.7122



9.0528, 19.4428, 18.9592

Complementary

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



24.1527, 19.4428, 68.1255



54.7619, 62.8819, 22.8883

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.



10.3348, 19.4428, 7.3904



24.1527, 19.4428, 68.1255



19.2919, 19.4428, 2.2087

Square

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



24.1527, 19.4428, 68.1255



31.1846, 19.4428, 9.5389



13.7730, 19.4428, 3.0393



9.8009, 19.4428, 39.7177

Rectangle

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



24.1527, 19.4428, 68.1255



32.4120, 19.4428, 30.3395



13.7730, 19.4428, 3.0393



9.2514, 19.4428, 14.0635

Sweetspot

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



24.1535, 19.4434, 68.1260



71.7849, 72.3212, 104.7837



42.5720, 57.4163, 70.7635



14.7476, 14.7438, 22.3185



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.



24.1535, 19.4434, 68.1260



28.4456, 20.2994, 97.0267



31.3803, 22.3822, 68.3123



12.3855, 12.7107, 16.4528



7.6663, 3.2021, 39.9524



0.5136, 0.2413, 2.5940

Inverse Universe

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



36.6394, 26.2087, 18.1670



48.3696, 31.3192, 17.2549



43.3623, 58.8880, 22.7182



13.0797, 13.0610, 13.6808



17.3649, 8.9470, 1.0358



1.1335, 0.5830, 0.1121

Previews

White Background



This preview shows how the XYZ color 24.1527, 19.4428, 68.1255 looks on a white background.

Color Contrast Check

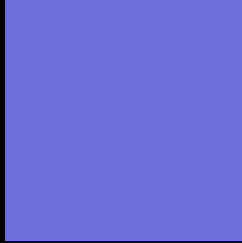
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1527, 19.4428, 68.1255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

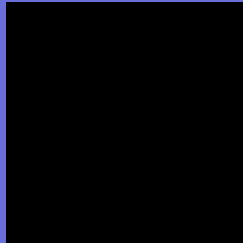
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.1527, 19.4428, 68.1255

Background



This preview shows how black text looks on a background with the XYZ color 24.1527, 19.4428, 68.1255.



This preview shows how white text looks on a background with the XYZ color 24.1527, 19.4428,

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

24.1527, 19.4428, 68.1255

Protanopia

22.2477, 19.5320, 73.1185

Deuteranopia

20.1350, 19.4924, 66.3195



Tritanopia

15.9772, 19.3433, 27.7025

Trichromacy



Original Color

24.1527, 19.4428, 68.1255

Protanomaly

22.5752, 19.2313, 70.9288

Deuteranomaly

21.0425, 19.2238, 66.8915

Tritanomaly

18.2439, 18.9199, 39.7361

Monochromacy



Original Color

24.1527, 19.4428, 68.1255

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.7667, 19.1042, 34.5439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1527, 19.4428, 68.1255 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(106, 111, 217)` looks like.

```
.text, #text, p{  
    color:rgb(106, 111, 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(106, 111, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 111, 217) }
```

Border

The CSS property to change the border of an element to XYZ 24.1527, 19.4428, 68.1255 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(106, 111, 217) }
```


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

```
.border{ border-color:rgb(106, 111, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 111, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 111, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 111, 217);  
box-shadow:4px 4px 4px 4px rgb(106, 111,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1527, 19.4428, 68.1255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 111, 217) }
```

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

```
.background{ background-color: rgb(106,  
111, 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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