

Converting Colors

XYZ(29.6119, 22.5983, 93.4236)

Have a look what the booklet for
XYZ(29.6119, 22.5983, 93.4236)
contains.

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Color

**XYZ(29.5641, 22.5187,
93.2308)**

Conversions

Conversions Part 1

Format	Color
Hex	6B74FA
RGB	107, 116, 250
RGB Percent	42%, 45%, 98%
CMY	0.5804, 0.5451, 0.0196
CMYK	0.57, 0.54, 0.00, 0.02
HSL	236°, 93%, 70%
HSV	236°, 57%, 98%
XYZ	29.5641, 22.5187, 93.2308
YIQ	128.5850, -48.3780, 39.7660

Conversions

Conversions Part 2

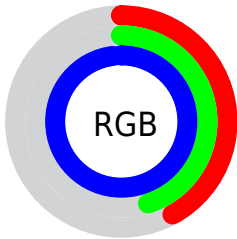
Format	Color
R _Y B	107, 115, 250
Decimal	7042298
CIE Lab	54.57, 34.58, -68.24
CIE LCh	55, 76.501, 296.874
Yxy	22.5187, 0.2035, 0.1550
Android (android.graphics.Color)	4285232378 (0xFF6B74FA)
YUV	128.5850, 59.8576, -18.9300
Hunter-Lab	47.4539, 28.1625, -83.2671

Details

The XYZ color **29.5641, 22.5187, 93.2308** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **73.5361, 84.3005, 26.3077**, and the grayscale version is **20.5323, 21.6016, 23.5242**.

A 20% lighter version of the original color is **48.2011, 43.5501, 100.4733**, and **12.1772, 8.2471, 50.8192** is the 20% darker color. If you saturate the color by 10%, you get **24.6127, 16.4503, 92.3210**, and if you desaturate by 10%, it is **36.0670, 30.3978, 94.4094**.

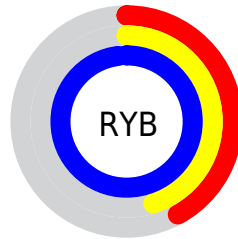
Distribution



Red (42%)

Green (45%)

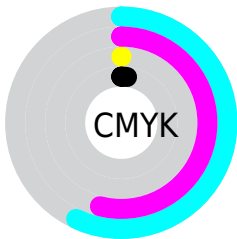
Blue (98%)



Red (42%)

Yellow (45%)

Blue (98%)

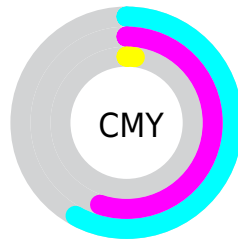


Cyan (57%)

Magenta (54%)

Yellow (0%)

Black (2%)



Cyan (58%)

Magenta (55%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5641, 22.5187, 93.2308 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 29.5641, 22.5187, 93.2308 by changing the saturation by 10% instead.

■ 29.5641, 22.5187,
93.2308

■ 29.5641, 22.5187,
93.2308

291.8137,
265.2432, 559.3244

■ 19.6544, 14.2385,
70.0746

■ 58.3635, 47.6018,
153.7926

■ 12.2509, 8.2868,
51.1102

■ 77.9839, 65.1735,
192.0353

■ 6.9882, 4.2790,
35.9190

■ 101.5720, 86.6112,
236.1439

■ 3.5010, 1.8308,
24.0824

■ 129.4930,
112.2993, 286.5369

■ 1.4239, 0.5063,
15.1820

162.1123,
142.6222, 343.6329

■ 0.2732, 0.0000,
8.7992

199.7953,

■ 0.0000, 0.0000,

177.9642, 407.8505

4.5154

242.9073,
218.7097, 479.6082

■ 0.0000, 0.0000,
1.9121

■ 0.0000, 0.0000,
0.5004

■ 29.5641, 22.5187,
93.2308

■ 29.5641, 22.5187,
93.2308

■ 24.6127, 16.4503,
92.3210

■ 36.0670, 30.3978,
94.4094

■ 21.0802, 12.0464,
91.6571

■ 44.2331, 40.2143,
95.8738

■ 18.8173, 9.1414,
91.2157

■ 54.1673, 52.0856,
97.6416

■ 17.6356, 7.5324,
90.9674

■ 65.9650, 66.1195,
99.7286

■ 17.4366, 7.2646,
90.9262

■ 79.7148, 82.4158,
102.1494

■ 94.2554, 99.6822,
104.7158

Harmonies

Analogous

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



20.5349, 22.5187, 105.7532



29.5641, 22.5187, 93.2308



37.9751, 22.5187, 59.4695

Triad

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



29.5641, 22.5187, 93.2308



31.4962, 22.5187, 2.6023



8.9894, 22.5187, 22.0829

Complementary

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



29.5641, 22.5187, 93.2308



73.5361, 84.3005, 26.3077

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.



10.5281, 22.5187, 6.9350



29.5641, 22.5187, 93.2308



22.2960, 22.5187, 1.2644

Square

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



29.5641, 22.5187, 93.2308



39.2802, 22.5187, 8.9923



14.9022, 22.5187, 2.0770



9.9889, 22.5187, 51.9284

Rectangle

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



29.5641, 22.5187, 93.2308



41.2956, 22.5187, 36.5918



14.9022, 22.5187, 2.0770



9.2144, 22.5187, 15.4451

Sweetspot

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



29.5652, 22.5194, 93.2314



69.2426, 69.4490, 104.3633



56.0478, 77.8169, 94.8690



14.2535, 14.1912, 22.2379



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.



29.5652, 22.5194, 93.2314



24.9446, 16.2164, 96.4231



38.8698, 25.8508, 93.3840



16.3707, 16.8181, 21.7687



9.2826, 3.9209, 48.2411



0.8895, 0.4226, 4.4779

Inverse Universe

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



47.8354, 32.1020, 20.1983



45.8900, 27.5994, 12.6074



57.5881, 80.1293, 26.3432



17.2889, 17.2429, 18.1110



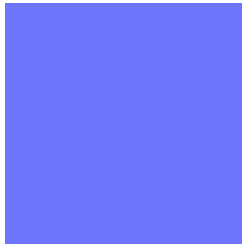
20.9775, 10.8067, 1.3239



1.9579, 1.0069, 0.2017

Previews

White Background



This preview shows how the XYZ color 29.5641, 22.5187, 93.2308 looks on a white background.

Color Contrast Check

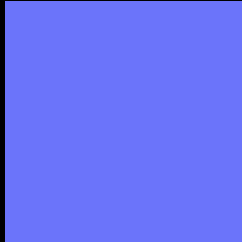
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5641, 22.5187, 93.2308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

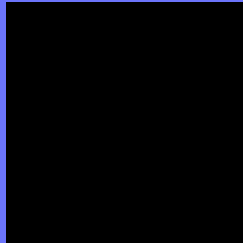
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.5641, 22.5187, 93.2308

Background



This preview shows how black text looks on a background with the XYZ color 29.5641, 22.5187, 93.2308.

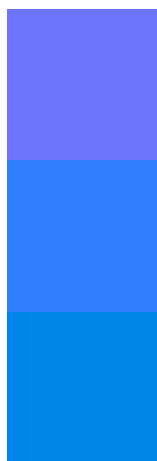


This preview shows how white text looks on a background with the XYZ color 29.5641, 22.5187,

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

29.5641, 22.5187, 93.2308

Protanopia

26.7775, 22.7947, 97.5962

Deuteranopia

23.0955, 22.6582, 80.2470



Tritanopia

17.5763, 22.5457, 33.1312

Trichromacy



Original Color

29.5641, 22.5187, 93.2308

Protanomaly

27.2149, 22.3130, 95.8010

Deuteranomaly

24.0061, 21.8421, 84.6120

Tritanomaly

20.8080, 21.9272, 50.7126

Monochromacy



Original Color

29.5641, 22.5187, 93.2308

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.6356, 21.4974, 42.4915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5641, 22.5187, 93.2308 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, 116, 250)` looks like.

```
.text, #text, p{  
    color:rgb(107, 116, 250)  
}
```

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, 116, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 116, 250) }
```

Border

The CSS property to change the border of an element to XYZ 29.5641, 22.5187, 93.2308 is called "border". The border property can be set on classes, ids or directly on the HTML element.

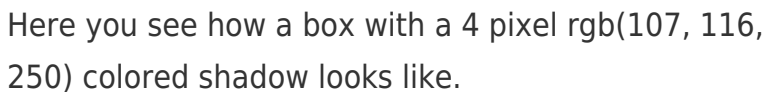
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 116, 250) }
```


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

```
.border{ border-color:rgb(107, 116, 250) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 116, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 116, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 116, 250);  
box-shadow:4px 4px 4px 4px rgb(107, 116,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5641, 22.5187, 93.2308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 116, 250) }
```

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

```
.background{ background-color: rgb(107,  
116, 250) }
```

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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