

Converting Colors

XYZ(29.3648, 22.6507, 85.7305)

Have a look what the booklet for
XYZ(29.3648, 22.6507, 85.7305)
contains.

XYZ(29.3250, 22.5547, 86.0270)	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(29.3250, 22.5547,
86.0270)**

Conversions

Conversions Part 1

Format	Color
Hex	7474F1
RGB	116, 116, 241
RGB Percent	45%, 45%, 95%
CMY	0.5451, 0.5451, 0.0549
CMYK	0.52, 0.52, 0.00, 0.05
HSL	240°, 82%, 70%
HSV	240°, 52%, 95%
XYZ	29.3250, 22.5547, 86.0270
YIQ	130.2500, -40.1250, 38.8750

Conversions

Conversions Part 2

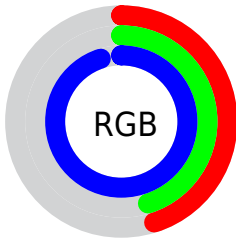
Format	Color
R _Y B	116, 116, 241
Decimal	7632113
CIE Lab	54.61, 33.50, -63.15
CIE LCh	55, 71.488, 297.947
Yxy	22.5547, 0.2126, 0.1636
Android (android.graphics.Color)	4285822193 (0xFF7474F1)
YUV	130.2500, 54.5998, -12.4972
Hunter-Lab	47.4918, 27.1087, -74.1541

Details

The XYZ color **29.3250, 22.5547, 86.0270** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **70.8825, 82.8722, 28.7835**, and the grayscale version is **21.1304, 22.2309, 24.2094**.

A 20% lighter version of the original color is **49.7318, 44.3392, 100.5449**, and **12.1350, 8.3250, 46.3147** is the 20% darker color. If you saturate the color by 10%, you get **24.1001, 16.2586, 85.0876**, and if you desaturate by 10%, it is **36.1031, 30.7213, 87.2466**.

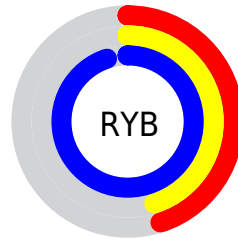
Distribution



Red (45%)

Green (45%)

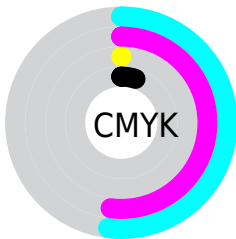
Blue (95%)



Red (45%)

Yellow (45%)

Blue (95%)

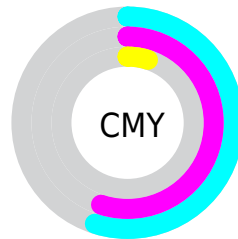


Cyan (52%)

Magenta (52%)

Yellow (0%)

Black (5%)



Cyan (55%)

Magenta (55%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3250, 22.5547, 86.0270 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 29.3250, 22.5547, 86.0270 by changing the saturation by 10% instead.

■ 29.3250, 22.5547,
86.0270

■ 29.3250, 22.5547,
86.0270

290.7119,
265.4295, 535.2532

■ 19.4723, 14.2651,
64.1353

■ 57.9870, 47.6611,
143.6940

■ 12.1181, 8.3052,
46.3134

■ 77.5271, 65.2466,
180.3064

■ 6.8969, 4.2909,
32.1427

■ 101.0271, 86.6996,
222.6628

■ 3.4435, 1.8376,
21.2048

■ 128.8522,
112.4044, 271.1817

■ 1.3924, 0.5104,
13.0811

161.3679,
142.7454, 326.2816

■ 0.2508, 0.0000,
7.3530

198.9395,

■ 0.0000, 0.0000,

178.1070, 388.3812

3.6021

241.9324,
218.8735, 457.8988

■ 0.0000, 0.0000,
1.4097

■ 0.0000, 0.0000,
0.1493

■ 29.3250, 22.5547,
86.0270

■ 29.3250, 22.5547,
86.0270

■ 24.1001, 16.2586,
85.0876

■ 36.1031, 30.7213,
87.2466

■ 20.3028, 11.6832,
84.4046

■ 44.5408, 40.8883,
88.7643

■ 17.7931, 8.6591,
83.9532

■ 54.7389, 53.1763,
90.5986

■ 16.4010, 6.9819,
83.7028

■ 66.7889, 67.6960,
92.7661

■ 15.8774, 6.3510,
83.6086

■ 80.7764, 84.5501,
95.2820

■ 92.8773, 99.1309,
97.4586

Harmonies

Analogous

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



20.9010, 22.5547, 98.1268



29.3250, 22.5547, 86.0270



36.9587, 22.5547, 55.4154

Triad

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



29.3250, 22.5547, 86.0270



30.4951, 22.5547, 3.1125



9.6076, 22.5547, 23.0410

Complementary

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



29.3250, 22.5547, 86.0270



70.8825, 82.8722, 28.7835

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.



11.0141, 22.5547, 8.0106



29.3250, 22.5547, 86.0270



21.9832, 22.5547, 1.7322

Square

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



29.3250, 22.5547, 86.0270



37.7421, 22.5547, 9.3509



15.1088, 22.5547, 2.7376



10.6706, 22.5547, 50.9250

Rectangle

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



29.3250, 22.5547, 86.0270



39.8637, 22.5547, 34.7448



15.1088, 22.5547, 2.7376



9.7982, 22.5547, 16.5870

Sweetspot

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



29.3260, 22.5554, 86.0276



69.9375, 69.7409, 104.3830



54.5354, 72.9750, 94.4309



14.3663, 14.2006, 22.2337



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.



29.3260, 22.5554, 86.0276



27.2351, 18.2871, 96.7021



40.5981, 28.3664, 86.5551



14.8974, 15.2288, 19.8759



8.6099, 3.4440, 45.3388



0.7163, 0.2865, 3.7718

Inverse Universe

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



58.3981, 37.5427, 87.3852



63.5547, 37.0106, 98.3978



53.0833, 73.6963, 27.9505



16.4543, 16.0314, 19.9486



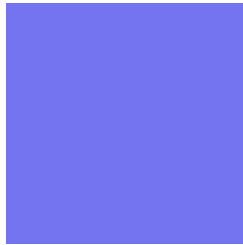
28.2807, 13.5847, 46.2564



2.3527, 1.1301, 3.8481

Previews

White Background



This preview shows how the XYZ color 29.3250, 22.5547, 86.0270 looks on a white background.

Color Contrast Check

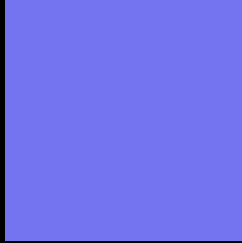
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3250, 22.5547, 86.0270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

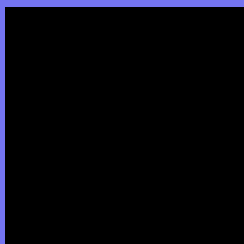
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.3250, 22.5547, 86.0270

Background



This preview shows how black text looks on a background with the XYZ color 29.3250, 22.5547, 86.0270.



This preview shows how white text looks on a background with the XYZ color 29.3250, 22.5547,

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

29.3250, 22.5547, 86.0270

Protanopia

26.7189, 22.8198, 95.0919

Deuteranopia

23.3829, 22.7732, 81.7605



Tritanopia

18.5754, 22.6457, 32.2462

Trichromacy



Original Color

29.3250, 22.5547, 86.0270

Protanomaly

27.0447, 22.3161, 91.6890

Deuteranomaly

23.8303, 21.7854, 83.0698

Tritanomaly

21.5933, 22.1929, 47.9453

Monochromacy



Original Color

29.3250, 22.5547, 86.0270

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.0468, 21.9295, 41.0483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3250, 22.5547, 86.0270 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(116, 116, 241)` looks like.

```
.text, #text, p{  
    color:rgb(116, 116, 241)  
}
```

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(116, 116, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 116, 241) }
```

Border

The CSS property to change the border of an element to XYZ 29.3250, 22.5547, 86.0270 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(116, 116, 241) }
```


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

```
.border{ border-color:rgb(116, 116, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 116, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 116, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 116, 241);  
box-shadow:4px 4px 4px 4px rgb(116, 116,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3250, 22.5547, 86.0270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 116, 241) }
```

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

```
.background{ background-color: rgb(116,  
116, 241) }
```

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