

Converting Colors

XYZ(22.6957, 15.4165, 92.3372)

Have a look what the booklet for
XYZ(22.6957, 15.4165, 92.3372)
contains.

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Color

**XYZ(22.6580, 15.3686,
92.2147)**

Conversions

Conversions Part 1

Format	Color
Hex	375CFA
RGB	55, 92, 250
RGB Percent	22%, 36%, 98%
CMY	0.7842, 0.6392, 0.0196
CMYK	0.78, 0.63, 0.00, 0.02
HSL	229°, 95%, 60%
HSV	229°, 78%, 98%
XYZ	22.6580, 15.3686, 92.2147
YIQ	98.9490, -72.7700, 41.2940

Conversions

Conversions Part 2

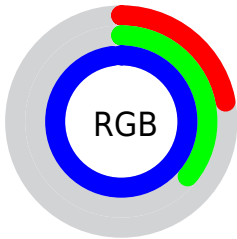
Format	Color
RYB	55, 86, 250
Decimal	3628282
CIELab	46.13, 42.20, -82.09
CIElCh	46, 92.307, 297.206
Yxy	15.3686, 0.1740, 0.1180
Android (android.graphics.Color)	4281818362 (0xFF375CFA)
YUV	98.9490, 74.4681, -38.5433
Hunter-Lab	39.2028, 34.5625, -112.0228

Details

The XYZ color **22.6580, 15.3686, 92.2147** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **63.9134, 68.1979, 13.4114**, and the grayscale version is **11.6801, 12.2884, 13.3821**.

A 20% lighter version of the original color is **37.0831, 31.3913, 98.7124**, and **10.5309, 5.8388, 50.4411** is the 20% darker color. If you saturate the color by 10%, you get **20.0919, 11.7797, 91.6577**, and if you desaturate by 10%, it is **26.3877, 20.2535, 92.9615**.

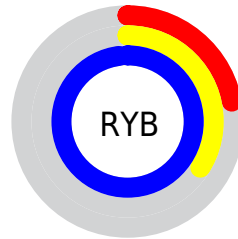
Distribution



Red (22%)

Green (36%)

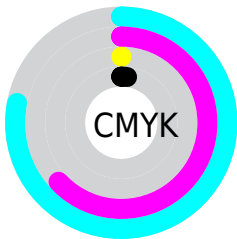
Blue (98%)



Red (22%)

Yellow (34%)

Blue (98%)

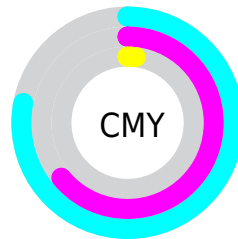


Cyan (78%)

Magenta (63%)

Yellow (0%)

Black (2%)



Cyan (78%)

Magenta (64%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6580, 15.3686, 92.2147 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 22.6580, 15.3686, 92.2147 by changing the saturation by 10% instead.

■ 22.6580, 15.3686,
92.2147

■ 22.6580, 15.3686,
92.2147

258.5318,
225.5865, 555.9641

■ 14.4605, 9.0785,
69.2349

■ 47.3020, 35.4985,
152.3732

■ 8.5255, 4.7924,
50.4301

■ 64.4791, 50.1071,
190.3890

■ 4.4876, 2.1260,
35.3817

■ 85.3802, 68.2574,
234.2540

■ 1.9815, 0.6792,
23.6712

■ 110.3705, 90.3336,
284.3865

■ 0.6235, 0.0000,
14.8799

■ 139.8155,
116.7202, 341.2053

■ 0.0000, 0.0000,
8.5895

174.0805,

■ 0.0000, 0.0000,

147.8017, 405.1288

4.3813

213.5308,
183.9623, 476.5755

■ 0.0000, 0.0000,
1.8367

■ 0.0000, 0.0000,
0.4520

■ 22.6580, 15.3686,
92.2147

■ 22.6580, 15.3686,
92.2147

■ 20.0919, 11.7797,
91.6577

■ 26.3877, 20.2535,
92.9615

■ 18.5232, 9.3445,
91.2703

■ 31.4044, 26.5491,
93.9122

■ 18.2887, 8.9687,
91.2101

■ 37.8181, 34.3578,
95.0814

■ 45.7260, 43.7719,
96.4817

■ 55.2160, 54.8760,
98.1248

■ 66.3695, 67.7488,
100.0217

■ 79.2620, 82.4639,
102.1825

■ 93.9580, 99.0874,
104.6166

■ 94.2554, 99.6822,
104.7157

Harmonies

Analogous

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



13.8836, 15.3686, 107.7873



22.6580, 15.3686, 92.2147



31.3377, 15.3686, 52.7959

Triad

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



22.6580, 15.3686, 92.2147



24.4098, 15.3686, 0.1361



4.1190, 15.3686, 14.7128

Complementary

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



22.6580, 15.3686, 92.2147



63.9134, 68.1979, 13.4114

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.



5.2341, 15.3686, 2.5384



22.6580, 15.3686, 92.2147



15.3560, 15.3686, 0.0000

Square

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



22.6580, 15.3686, 92.2147



32.5782, 15.3686, 3.7251



8.7330, 15.3686, 0.0000



4.8715, 15.3686, 45.3239

Rectangle

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



22.6580, 15.3686, 92.2147



34.8410, 15.3686, 28.2562



8.7330, 15.3686, 0.0000



4.2744, 15.3686, 8.8666

Sweetspot

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



22.6589, 15.3689, 92.2152



63.3339, 63.8584, 103.5956



47.5206, 73.8876, 73.3876



12.6784, 12.6530, 22.0240



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.



22.6589, 15.3689, 92.2152



19.9081, 10.6364, 95.6115



25.4985, 13.1809, 91.6432



16.5494, 17.1756, 21.8283



9.7773, 4.9102, 48.4060



0.9745, 0.5926, 4.5062

Inverse Universe

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



42.7232, 23.8307, 12.4729



42.2510, 21.9446, 6.3904



56.4889, 79.7895, 16.0402



17.3791, 17.2790, 18.5861



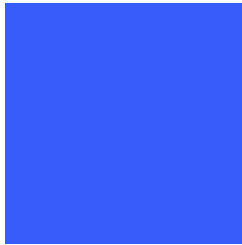
21.2272, 10.9066, 2.6387



2.0008, 1.0241, 0.4276

Previews

White Background



This preview shows how the XYZ color 22.6580, 15.3686, 92.2147 looks on a white background.

Color Contrast Check

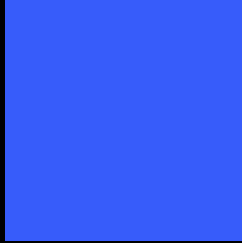
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.6580, 15.3686, 92.2147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

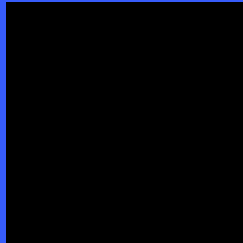
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.6580, 15.3686, 92.2147

Background



This preview shows how black text looks on a background with the XYZ color 22.6580, 15.3686, 92.2147.



This preview shows how white text looks on a background with the XYZ color 22.6580, 15.3686,

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

22.6580, 15.3686, 92.2147

Protanopia

18.0015, 15.1211, 70.3765

Deuteranopia

14.8697, 15.0430, 50.2640



Tritanopia

10.6128, 14.9915, 22.7564

Trichromacy



Original Color

22.6580, 15.3686, 92.2147

Protanomaly

19.4112, 15.0893, 78.2334

Deuteranomaly

16.9967, 14.7525, 63.5797

Tritanomaly

13.3108, 14.2791, 41.0843

Monochromacy



Original Color

22.6580, 15.3686, 92.2147

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.5829, 12.5378, 32.2760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6580, 15.3686, 92.2147 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(55, 92, 250)` looks like.

```
.text, #text, p{  
    color:rgb(55, 92, 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(55, 92, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 92, 250) }
```

Border

The CSS property to change the border of an element to XYZ 22.6580, 15.3686, 92.2147 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(55, 92, 250) }
```


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

```
.border{ border-color:rgb(55, 92, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 92, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 92, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 92, 250);  
box-shadow:4px 4px 4px 4px rgb(55, 92,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6580, 15.3686, 92.2147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 92, 250) }
```

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

```
.background{ background-color: rgb(55, 92,  
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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