

Converting Colors

XYZ(29.1802, 24.3663, 97.7729)

Have a look what the booklet for
XYZ(29.1802, 24.3663, 97.7729)
contains.

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Color

**XYZ(29.2488, 24.4522,
97.7859)**

Conversions

Conversions Part 1

Format	Color
Hex	5280FF
RGB	82, 128, 255
RGB Percent	32%, 50%, 100%
CMY	0.6784, 0.4980, 0.0000
CMYK	0.68, 0.50, 0.00, 0.00
HSL	224°, 100%, 66%
HSV	224°, 68%, 100%
XYZ	29.2488, 24.4522, 97.7859
YIQ	128.7240, -68.1830, 29.7450

Conversions

Conversions Part 2

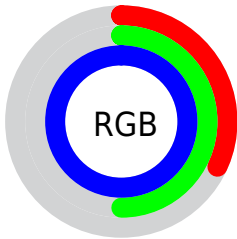
Format	Color
R _{YB}	82, 118, 255
Decimal	5406975
CIE _{Lab}	56.54, 24.90, -67.90
CIE _{LCh}	57, 72.319, 290.143
Y _{xy}	24.4522, 0.1931, 0.1614
Android (android.graphics.Color)	4283597055 (0xFF5280FF)
YUV	128.7240, 62.2541, -40.9769
Hunter-Lab	49.4492, 19.0453, -82.6318

Details

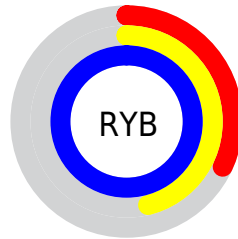
The XYZ color **29.2488, 24.4522, 97.7859** is a light color, and the websafe version is hex **3366CC**. The color can be described as light muted azure. A complement of this color would be **65.5660, 67.4746, 17.5528**, and the grayscale version is **20.5777, 21.6494, 23.5762**.

A 20% lighter version of the original color is **46.5840, 46.1584, 101.0620**, and **12.9467, 9.7685, 54.0265** is the 20% darker color. If you saturate the color by 10%, you get **25.2081, 19.0727, 96.9605**, and if you desaturate by 10%, it is **34.5653, 31.1584, 98.8001**.

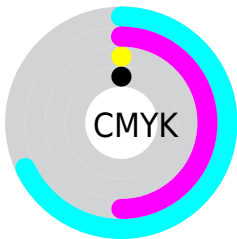
Distribution



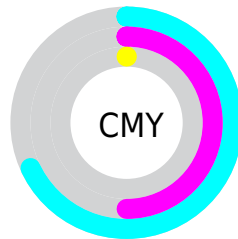
- Red (32%)
- Green (50%)
- Blue (100%)



- Red (32%)
- Yellow (46%)
- Blue (100%)



- Cyan (68%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)



- Cyan (68%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2488, 24.4522, 97.7859 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 29.2488, 24.4522, 97.7859 by changing the saturation by 10% instead.

■ 29.2488, 24.4522,
97.7859

■ 29.2488, 24.4522,
97.7859

290.3601,
275.0987, 574.2564

■ 19.4143, 15.6694,
73.8462

■ 57.8670, 50.7671,
160.1364

■ 12.0758, 9.2905,
54.1721

■ 77.3814, 69.0680,
199.3843

■ 6.8679, 4.9312,
38.3452

■ 100.8532, 91.3105,
244.5720

■ 3.4252, 2.2069,
25.9468

■ 128.6477,
117.8788, 296.1180

■ 1.3824, 0.7238,
16.5584

161.1303,
149.1573, 354.4409

■ 0.2436, 0.0000,
9.7616

198.6663,

■ 0.0000, 0.0000,

185.5306, 419.9593

5.1376

241.6212,
227.3829, 493.0916

■ 0.0000, 0.0000,
2.2681

■ 0.0000, 0.0000,
0.7133

■ 29.2488, 24.4522,
97.7859

■ 29.2488, 24.4522,
97.7859

■ 25.2081, 19.0727,
96.9605

■ 34.5653, 31.1584,
98.8001

■ 22.3189, 14.9186,
96.3110

■ 41.2594, 39.2774,
100.0144

■ 20.4260, 11.8695,
95.8222

■ 49.4254, 48.8895,
101.4394

■ 20.1047, 11.3294,
95.7349

■ 59.1479, 60.0683,
103.0847

■ 70.5051, 72.8821,
104.9594

■ 83.5699, 87.3952,
107.0721

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



20.5882, 24.4522, 102.9771



29.2488, 24.4522, 97.7859



37.9492, 24.4522, 68.5481

Triad

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



29.2488, 24.4522, 97.7859



35.1842, 24.4522, 4.5788



10.6980, 24.4522, 19.4746

Complementary

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



29.2488, 24.4522, 97.7859



65.5660, 67.4746, 17.5528

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.



12.9292, 24.4522, 6.6388



29.2488, 24.4522, 97.7859



26.1126, 24.4522, 2.1210

Square

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



29.2488, 24.4522, 97.7859



41.9075, 24.4522, 13.6761



18.1181, 24.4522, 2.5431



11.1503, 24.4522, 45.9069

Rectangle

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



29.2488, 24.4522, 97.7859



41.9483, 24.4522, 45.5957



18.1181, 24.4522, 2.5431



11.1334, 24.4522, 13.8157

Sweetspot

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



29.2498, 24.4529, 97.7860



67.9090, 69.9717, 104.5344



50.7330, 77.9113, 72.6013



13.8377, 14.1916, 22.2599



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.



29.2498, 24.4529, 97.7860



24.1767, 17.6323, 96.7369



29.1472, 17.4210, 96.4341



17.3957, 18.1631, 22.8389



10.6086, 6.1268, 50.0580



1.1180, 0.7666, 4.9023

Inverse Universe

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



48.1544, 28.8546, 23.4539



44.7819, 24.3975, 15.2767



65.2008, 86.5213, 21.2484



18.2076, 18.0664, 19.7106



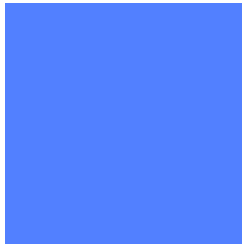
22.1429, 11.3465, 4.1372



2.1989, 1.1219, 0.6289

Previews

White Background



This preview shows how the XYZ color 29.2488, 24.4522, 97.7859 looks on a white background.

Color Contrast Check

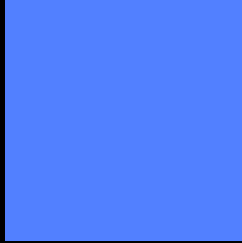
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2488, 24.4522, 97.7859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

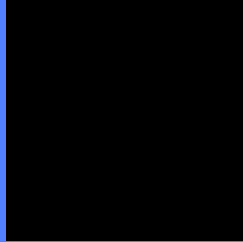
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.2488, 24.4522, 97.7859

Background



This preview shows how black text looks on a background with the XYZ color 29.2488, 24.4522, 97.7859.



This preview shows how white text looks on a background with the XYZ color 29.2488, 24.4522,

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

29.2488, 24.4522, 97.7859

Protanopia

28.4131, 24.6108, 97.8606

Deuteranopia

24.8228, 24.2422, 86.5900



Tritanopia

17.3394, 24.3859, 37.5113

Trichromacy



Original Color

29.2488, 24.4522, 97.7859

Protanomaly

28.7051, 24.5630, 97.8359

Deuteranomaly

25.6951, 23.9800, 90.4631

Tritanomaly

20.0587, 23.5622, 55.1205

Monochromacy



Original Color

29.2488, 24.4522, 97.7859

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.2702, 22.2404, 43.6765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2488, 24.4522, 97.7859 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(82, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(82, 128, 255)  
}
```

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(82, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 128, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.2488, 24.4522, 97.7859 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(82, 128, 255) }
```


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

```
.border{ border-color:rgb(82, 128, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(82, 128,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2488, 24.4522, 97.7859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 128, 255) }
```

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

```
.background{ background-color: rgb(82, 128,  
255) }
```

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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