

Converting Colors

XYZ(24.4363, 22.7515, 79.4909)

Have a look what the booklet for
XYZ(24.4363, 22.7515, 79.4909)
contains.

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Color

**XYZ(24.4116, 22.7521,
79.4489)**

Conversions

Conversions Part 1

Format	Color
Hex	3C82E8
RGB	60, 130, 232
RGB Percent	24%, 51%, 91%
CMY	0.7647, 0.4902, 0.0902
CMYK	0.74, 0.44, 0.00, 0.09
HSL	216°, 79%, 57%
HSV	216°, 74%, 91%
XYZ	24.4116, 22.7521, 79.4489
YIQ	120.6980, -74.4620, 16.8820

Conversions

Conversions Part 2

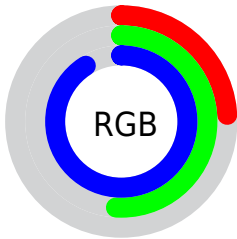
Format	Color
R _Y B	60, 110, 232
Decimal	3965672
CIE Lab	54.82, 12.58, -57.96
CIE LCh	55, 59.309, 282.250
Yxy	22.7521, 0.1928, 0.1797
Android (android.graphics.Color)	4282155752 (0xFF3C82E8)
YUV	120.6980, 54.8719, -53.2321
Hunter-Lab	47.6992, 7.8797, -65.3655

Details

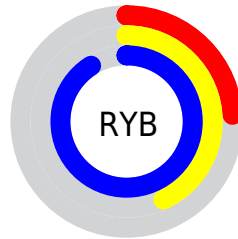
The XYZ color **24.4116, 22.7521, 79.4489** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle washed azure. A complement of this color would be **47.0174, 43.3274, 10.1617**, and the grayscale version is **17.9242, 18.8576, 20.5360**.

A 20% lighter version of the original color is **43.6800, 45.2651, 101.0426**, and **10.8538, 9.1692, 42.2721** is the 20% darker color. If you saturate the color by 10%, you get **21.5951, 18.7627, 78.8278**, and if you desaturate by 10%, it is **28.0886, 27.5488, 80.1815**.

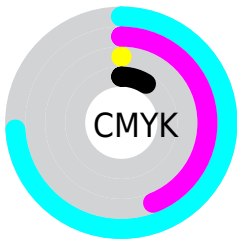
Distribution



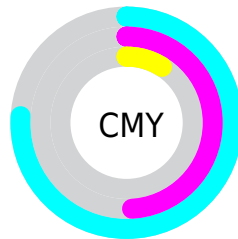
- Red (24%)
- Green (51%)
- Blue (91%)



- Red (24%)
- Yellow (43%)
- Blue (91%)



- Cyan (74%)
- Magenta (44%)
- Yellow (0%)
- Black (9%)



- Cyan (76%)
- Magenta (49%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4116, 22.7521, 79.4489 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 24.4116, 22.7521, 79.4489 by changing the saturation by 10% instead.

■ 24.4116, 22.7521,
79.4489

■ 24.4116, 22.7521,
79.4489

267.2969,
266.4492, 512.7314

■ 15.7656, 14.4106,
58.7415

■ 50.1508, 47.9860,
134.3950

■ 9.4482, 8.4068,
41.9864

■ 67.9748, 65.6471,
169.4708

■ 5.0941, 4.3563,
28.7651

■ 89.5888, 87.1835,
210.1731

■ 2.3379, 1.8748,
18.6592

■ 115.3582,
112.9796, 256.9204

■ 0.8140, 0.5332,
11.2500

■ 145.6484,
143.4199, 310.1314

■ 0.0000, 0.0000,
6.1189

180.8246,

■ 0.0000, 0.0000,

178.8886, 370.2245

2.8476

221.2523,
219.7702, 437.6183

■ 0.0000, 0.0000,
1.0173

■ 0.0000, 0.0000,
0.0000

■ 24.4116, 22.7521,
79.4489

■ 24.4116, 22.7521,
79.4489

■ 21.5951, 18.7627,
78.8278

■ 28.0886, 27.5488,
80.1815

■ 19.5397, 15.5144,
78.3092

■ 32.7036, 33.2057,
81.0301

■ 18.6048, 13.9047,
78.0477

■ 38.3278, 39.7726,
82.0012

■ 45.0240, 47.2939,
83.1001

■ 52.8497, 55.8111,
84.3316

■ 61.8580, 65.3628,
85.7005

■ 72.0985, 75.9852,
87.2111

■ 83.6179, 87.7129,
88.8676

■ 91.1944, 97.8639,
90.4276

Harmonies

Analogous

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



18.0054, 22.7521, 77.5151



24.4116, 22.7521, 79.4489



31.2562, 22.7521, 62.2559

Triad

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



24.4116, 22.7521, 79.4489



32.3623, 22.7521, 7.5646



11.7044, 22.7521, 15.3167

Complementary

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



24.4116, 22.7521, 79.4489



47.0174, 43.3274, 10.1617

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.



14.2087, 22.7521, 6.5074



24.4116, 22.7521, 79.4489



25.7002, 22.7521, 3.8441

Square

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



24.4116, 22.7521, 79.4489



36.4307, 22.7521, 17.8756



19.0593, 22.7521, 3.5910



11.4977, 22.7521, 33.2497

Rectangle

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



24.4116, 22.7521, 79.4489



34.8091, 22.7521, 45.6707



19.0593, 22.7521, 3.5910



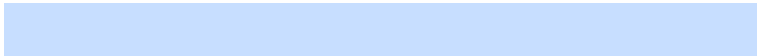
12.2778, 22.7521, 11.4792

Sweetspot

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



24.4126, 22.7528, 79.4495



67.6260, 71.4472, 104.8342



37.0959, 61.2246, 43.2758



13.8612, 14.6350, 22.3442



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.



24.4126, 22.7528, 79.4495



25.2954, 20.9980, 97.3275



19.0328, 10.5289, 77.3736



14.0620, 14.8454, 18.2686



10.4450, 7.9521, 43.3676



0.8612, 0.7663, 3.2345

Inverse Universe

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



38.9248, 22.0007, 23.3144



45.0712, 23.4588, 20.0507



58.4871, 72.8944, 15.2641



14.6189, 14.4647, 16.1934



19.6657, 10.0005, 7.1344



1.4983, 0.7570, 0.7647

Previews

White Background



This preview shows how the XYZ color 24.4116, 22.7521, 79.4489 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 24.4116, 22.7521, 79.4489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

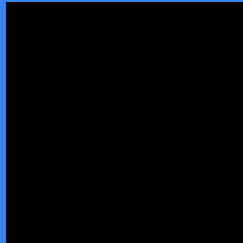
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

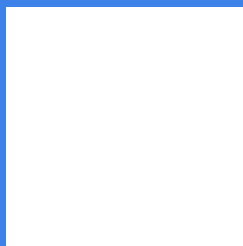
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4116, 22.7521, 79.4489

Background



This preview shows how black text looks on a background with the XYZ color 24.4116, 22.7521, 79.4489.



This preview shows how white text looks on a background with the XYZ color 24.4116, 22.7521,

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

24.4116, 22.7521, 79.4489

Protanopia

25.3884, 22.7207, 77.1762

Deuteranopia

23.4380, 22.6654, 78.7408



Tritanopia

16.1261, 22.6511, 34.9747

Trichromacy



Original Color

24.4116, 22.7521, 79.4489

Protanomaly

24.9037, 22.6474, 77.9217

Deuteranomaly

23.6223, 22.5600, 78.7108

Tritanomaly

18.3607, 22.3874, 48.7009

Monochromacy



Original Color

24.4116, 22.7521, 79.4489

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.7863, 19.6412, 36.5192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4116, 22.7521, 79.4489 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(60, 130, 232)` looks like.

```
.text, #text, p{  
    color:rgb(60, 130, 232)  
}
```

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(60, 130, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 130, 232) }
```

Border

The CSS property to change the border of an element to XYZ 24.4116, 22.7521, 79.4489 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(60, 130, 232) }
```


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

```
.border{ border-color:rgb(60, 130, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 130, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 130, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 130, 232);  
box-shadow:4px 4px 4px 4px rgb(60, 130,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4116, 22.7521, 79.4489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 130, 232) }
```

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

```
.background{ background-color: rgb(60, 130,  
232) }
```

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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