

Converting Colors

XYZ(24.9116, 24.3808, 82.2812)

Have a look what the booklet for
XYZ(24.9116, 24.3808, 82.2812)
contains.

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Color

**XYZ(24.8555, 24.3609,
81.9894)**

Conversions

Conversions Part 1

Format	Color
Hex	2989EB
RGB	41, 137, 235
RGB Percent	16%, 54%, 92%
CMY	0.8391, 0.4627, 0.0784
CMYK	0.83, 0.42, 0.00, 0.08
HSL	210°, 83%, 54%
HSV	210°, 83%, 92%
XYZ	24.8555, 24.3609, 81.9894
YIQ	119.4680, -88.6740, 10.1260

Conversions

Conversions Part 2

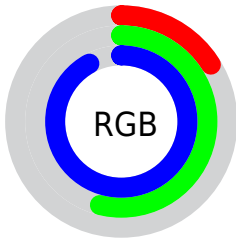
Format	Color
R _Y B	41, 105, 235
Decimal	2722283
CIE Lab	56.45, 7.47, -57.05
CIE LCh	56, 57.532, 277.458
Yxy	24.3609, 0.1894, 0.1857
Android (android.graphics.Color)	4280912363 (0xFF2989EB)
YUV	119.4680, 56.9573, -68.8164
Hunter-Lab	49.3568, 3.5162, -63.9403




Details

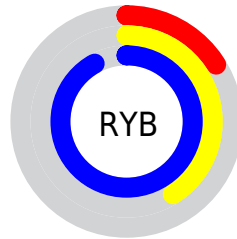
The XYZ color **24.8555, 24.3609, 81.9894** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **43.8971, 36.2933, 6.7912**, and the grayscale version is **17.5301, 18.4430, 20.0844**.




A 20% lighter version of the original color is **43.9347, 47.8985, 101.5375**, and **11.5256, 10.1938, 43.4796** is the 20% darker color. If you saturate the color by 10%, you get **22.5860, 20.8221, 81.4265**, and if you desaturate by 10%, it is **27.8712, 28.5605, 82.6416**.

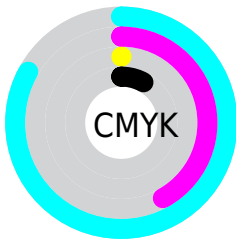
Distribution







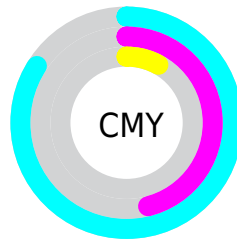
-  Red (16%)
-  Green (54%)
-  Blue (92%)






-  Red (16%)
-  Yellow (41%)
-  Blue (92%)



-  Cyan (83%)
-  Magenta (42%)
-  Yellow (0%)
-  Black (8%)



-  Cyan (84%)
-  Magenta (46%)
-  Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8555, 24.3609, 81.9894 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 24.8555, 24.3609, 81.9894 by changing the saturation by 10% instead.

■ 24.8555, 24.3609,
81.9894

■ 24.8555, 24.3609,
81.9894

269.4785,
274.6400, 521.4948

■ 16.0976, 15.6016,
60.8210

■ 50.8673, 50.6185,
137.9957

■ 9.6845, 9.2426,
43.6511

■ 68.8519, 68.8855,
173.6707

■ 5.2509, 4.8998,
30.0612

■ 90.6427, 91.0906,
215.0183

■ 2.4315, 2.1886,
19.6326

■ 116.6052,
117.6181, 262.4571

■ 0.8608, 0.7138,
11.9468

■ 147.1047,
148.8524, 316.4056

■ 0.0000, 0.0000,
6.5854

182.5065,

■ 0.0000, 0.0000,

185.1779, 377.2824

3.1297

223.1760,
226.9789, 445.5059

■ 0.0000, 0.0000,
1.1612

■ 0.0000, 0.0000,
0.0000

■ 24.8555, 24.3609,
81.9894

■ 24.8555, 24.3609,
81.9894

■ 22.5860, 20.8221,
81.4265

■ 27.8712, 28.5605,
82.6416

■ 21.2730, 18.5532,
81.0578

■ 31.7223, 33.4748,
83.3872

■ 36.4870, 39.1523,
84.2319

■ 42.2328, 45.6357,
85.1805

■ 49.0203, 52.9636,
86.2372

■ 56.9047, 61.1719,
87.4060

■ 65.9372, 70.2939,
88.6907

■ 76.1657, 80.3610,
90.0947

■ 87.6349, 91.4029,
91.6215

Harmonies

Analogous

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



18.5866, 24.3609, 76.8182



24.8555, 24.3609, 81.9894



31.8422, 24.3609, 67.5520

Triad

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



24.8555, 24.3609, 81.9894



34.8711, 24.3609, 9.8953



13.2317, 24.3609, 14.8092

Complementary

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



24.8555, 24.3609, 81.9894



43.8971, 36.2933, 6.7912

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.



16.2106, 24.3609, 6.7719



24.8555, 24.3609, 81.9894



28.4150, 24.3609, 5.0321

Square

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



24.8555, 24.3609, 81.9894



38.3028, 24.3609, 22.0462



21.5326, 24.3609, 4.2539



12.6419, 24.3609, 31.5724

Rectangle

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



24.8555, 24.3609, 81.9894



35.7049, 24.3609, 51.5282



21.5326, 24.3609, 4.2539



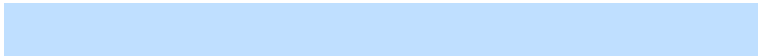
13.9548, 24.3609, 11.2908

Sweetspot

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



24.8565, 24.3616, 81.9900



65.9313, 70.9938, 104.8360



35.2119, 61.7242, 34.1066



13.3884, 14.4439, 22.3323



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.



24.8565, 24.3616, 81.9900



25.7311, 22.5348, 97.6012



16.7043, 8.0572, 79.2726



14.8468, 15.7800, 19.1856



11.9667, 10.5805, 45.1545



1.0358, 1.0231, 3.5778

Inverse Universe

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



39.5702, 21.0557, 25.6459



45.1286, 22.8597, 22.2707



64.3703, 77.2396, 13.6156



15.3762, 15.1783, 17.2664



20.8956, 10.5609, 10.5173



1.6893, 0.8487, 1.0814

Previews

White Background



This preview shows how the XYZ color 24.8555, 24.3609, 81.9894 looks on a white background.

Color Contrast Check

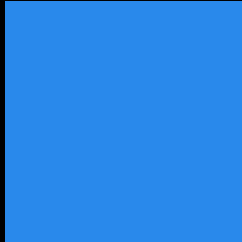
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8555, 24.3609, 81.9894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

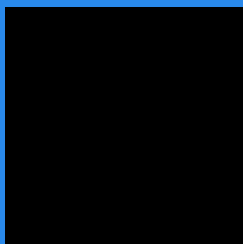
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

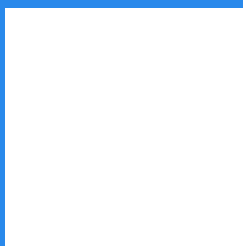
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8555, 24.3609, 81.9894

Background



This preview shows how black text looks on a background with the XYZ color 24.8555, 24.3609, 81.9894.



This preview shows how white text looks on a background with the XYZ color 24.8555, 24.3609,

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

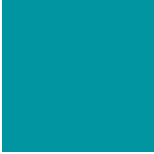
24.8555, 24.3609, 81.9894

Protanopia

26.6728, 24.1651, 77.3873

Deuteranopia

25.1149, 24.2846, 81.9610



Tritanopia

17.0926, 24.0330, 36.9957

Trichromacy



Original Color

24.8555, 24.3609, 81.9894

Protanomaly

25.5590, 23.9610, 78.8791

Deuteranomaly

24.9718, 24.2108, 81.9543

Tritanomaly

19.2920, 23.9402, 50.6178

Monochromacy



Original Color

24.8555, 24.3609, 81.9894

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.2083, 19.7191, 36.5647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8555, 24.3609, 81.9894 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(41, 137, 235)` looks like.

```
.text, #text, p{  
    color:rgb(41, 137, 235)  
}
```

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(41, 137, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 137, 235) }
```

Border

The CSS property to change the border of an element to XYZ 24.8555, 24.3609, 81.9894 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(41, 137, 235) }
```


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

```
.border{ border-color:rgb(41, 137, 235) }
```

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

Here you see how a box with a 4 pixel rgb(41, 137, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 137, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 137, 235);  
box-shadow:4px 4px 4px 4px rgb(41, 137,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8555, 24.3609, 81.9894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 137, 235) }
```

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

```
.background{ background-color: rgb(41, 137,  
235) }
```

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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