

Converting Colors

XYZ(24.1712, 22.8471, 86.3557)

Have a look what the booklet for
XYZ(24.1712, 22.8471, 86.3557)
contains.

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Color

**XYZ(24.1910, 22.8857,
86.3615)**

Conversions

Conversions Part 1

Format	Color
Hex	0584F1
RGB	5, 132, 241
RGB Percent	2%, 52%, 95%
CMY	0.9802, 0.4823, 0.0549
CMYK	0.98, 0.45, 0.00, 0.05
HSL	208°, 96%, 48%
HSV	208°, 98%, 95%
XYZ	24.1910, 22.8857, 86.3615
YIQ	106.4530, -110.6810, 6.9750

Conversions

Conversions Part 2

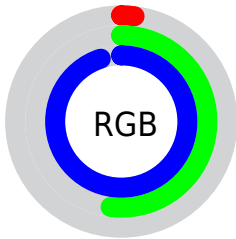
Format	Color
R_YB	5, 88, 241
Decimal	361713
CIE _{Lab}	54.95, 11.03, -62.80
CIE _{LCh}	55, 63.759, 279.960
Yxy	22.8857, 0.1813, 0.1715
Android (android.graphics.Color)	4278551793 (0xFF0584F1)
YUV	106.4530, 66.3317, -88.9743
Hunter-Lab	47.8390, 6.5448, -73.5462

Details

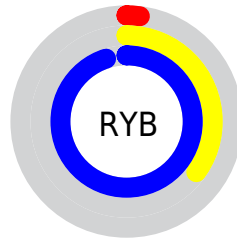
The XYZ color **24.1910, 22.8857, 86.3615** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **42.3278, 30.7603, 3.8517**, and the grayscale version is **13.6745, 14.3866, 15.6670**.

A 20% lighter version of the original color is **41.4972, 44.7522, 101.0586**, and **11.8221, 9.8013, 46.6162** is the 20% darker color. If you saturate the color by 10%, you get **23.8152, 22.2266, 86.2547**, and if you desaturate by 10%, it is **26.2312, 26.2999, 86.9135**.

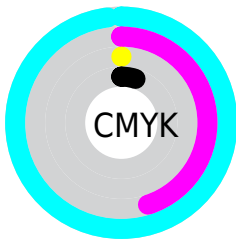
Distribution



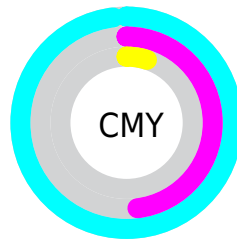
- Red (2%)
- Green (52%)
- Blue (95%)



- Red (2%)
- Yellow (35%)
- Blue (95%)



- Cyan (98%)
- Magenta (45%)
- Yellow (0%)
- Black (5%)



- Cyan (98%)
- Magenta (48%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1910, 22.8857, 86.3615 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 24.1910, 22.8857, 86.3615 by changing the saturation by 10% instead.

■ 24.1910, 22.8857,
86.3615

■ 24.1910, 22.8857,
86.3615

266.2073,
267.1374, 536.3841

■ 15.6009, 14.5091,
64.4103

■ 49.7941, 48.2056,
144.1649

■ 9.3312, 8.4756,
46.5348

■ 67.5378, 65.9177,
180.8541

■ 5.0167, 4.4008,
32.3163

■ 89.0634, 87.5104,
223.2932

■ 2.2919, 1.9002,
21.3364

■ 114.7362,
113.3682, 271.9005

■ 0.7905, 0.5485,
13.1765

■ 144.9217,
143.8754, 327.0948

■ 0.0000, 0.0000,
7.4180

179.9851,

■ 0.0000, 0.0000,

179.4164, 389.2944

3.6425

220.2919,
220.3756, 458.9180

■ 0.0000, 0.0000,
1.4313

■ 0.0000, 0.0000,
0.1660

■ 24.1910, 22.8857,
86.3615

■ 24.1910, 22.8857,
86.3615

■ 23.8152, 22.2266,
86.2547

■ 26.2312, 26.2999,
86.9135

■ 28.9592, 30.3148,
87.5447

■ 32.4949, 34.9994,
88.2626

■ 36.9266, 40.4056,
89.0725

■ 42.3297, 46.5788,
89.9793

■ 48.7710, 53.5594,
90.9872

■ 56.3109, 61.3845,
92.1002

■ 65.0048, 70.0884,
93.3220

■ 74.9041, 79.7032,
94.6561

Harmonies

Analogous

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



17.4155, 22.8857, 82.3671



24.1910, 22.8857, 86.3615



31.7115, 22.8857, 68.3006

Triad

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



24.1910, 22.8857, 86.3615



33.9346, 22.8857, 7.3371



11.3114, 22.8857, 13.8100

Complementary

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



24.1910, 22.8857, 86.3615



42.3278, 30.7603, 3.8517

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.



14.1325, 22.8857, 5.3964



24.1910, 22.8857, 86.3615



26.7550, 22.8857, 3.3128

Square

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



24.1910, 22.8857, 86.3615



38.0908, 22.8857, 18.7691



19.4830, 22.8857, 2.8724



10.9160, 22.8857, 32.2831

Rectangle

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



24.1910, 22.8857, 86.3615



35.7821, 22.8857, 49.9541



19.4830, 22.8857, 2.8724



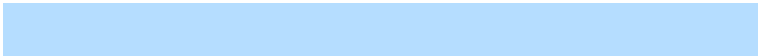
11.9729, 22.8857, 10.0606

Sweetspot

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



24.1920, 22.8863, 86.3621



62.9311, 68.6764, 104.5468



34.4010, 64.0966, 25.6653



12.6653, 13.8699, 22.2596



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.



24.1920, 22.8863, 86.3621



27.0234, 25.1667, 98.0411



16.1389, 6.7801, 83.6777



15.6017, 16.6375, 20.1107



13.0509, 12.3260, 46.8192



1.1852, 1.2243, 3.9281

Inverse Universe

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



40.4957, 20.4767, 23.6482



45.7693, 23.0717, 25.7812



64.3793, 74.8634, 11.2023



16.1284, 15.9011, 18.2324



21.9131, 11.0377, 12.7249



1.8732, 0.9383, 1.3230

Previews

White Background



This preview shows how the XYZ color 24.1910, 22.8857, 86.3615 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 24.1910, 22.8857, 86.3615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

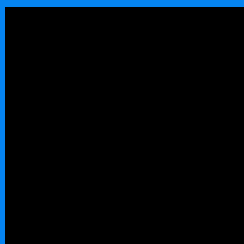
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

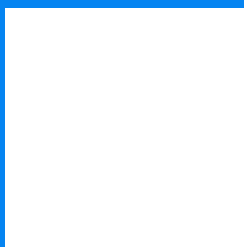
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1910, 22.8857, 86.3615

Background



This preview shows how black text looks on a background with the XYZ color 24.1910, 22.8857, 86.3615.



This preview shows how white text looks on a background with the XYZ color 24.1910, 22.8857,

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

24.1910, 22.8857, 86.3615

Protanopia

25.8716, 22.8546, 82.4047

Deuteranopia

23.3829, 22.7732, 81.7605



Tritanopia

16.0418, 22.6174, 34.5304

Trichromacy



Original Color

24.1910, 22.8857, 86.3615

Protanomaly

24.6481, 22.5774, 83.9477

Deuteranomaly

23.6986, 22.9024, 83.2923

Tritanomaly

18.2660, 22.3142, 49.7987

Monochromacy



Original Color

24.1910, 22.8857, 86.3615

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.5014, 15.8932, 33.3137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1910, 22.8857, 86.3615 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(5, 132, 241)` looks like.

```
.text, #text, p{  
    color:rgb(5, 132, 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(5, 132, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 132, 241) }
```

Border

The CSS property to change the border of an element to XYZ 24.1910, 22.8857, 86.3615 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(5, 132, 241) }
```


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

```
.border{ border-color:rgb(5, 132, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 132, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 132, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 132, 241);  
box-shadow:4px 4px 4px 4px rgb(5, 132,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1910, 22.8857, 86.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 132, 241) }
```

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

```
.background{ background-color: rgb(5, 132,  
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](#).

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