

Converting Colors

XYZ(24.6721, 23.6488, 87.4397)

Have a look what the booklet for
XYZ(24.6721, 23.6488, 87.4397)
contains.

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Color

**XYZ(24.6910, 23.7388,
87.2851)**

Conversions

Conversions Part 1

Format	Color
Hex	0087F2
RGB	0, 135, 242
RGB Percent	0%, 53%, 95%
CMY	0.9997, 0.4706, 0.0510
CMYK	1.00, 0.44, 0.00, 0.05
HSL	207°, 100%, 47%
HSV	207°, 100%, 95%
XYZ	24.6910, 23.7388, 87.2851
YIQ	106.8330, -114.8070, 4.6570

Conversions

Conversions Part 2

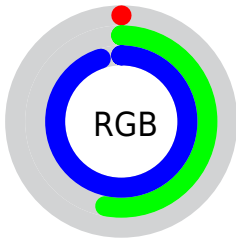
Format	Color
R _{YB}	0, 87, 242
Decimal	34802
CIE Lab	55.83, 9.44, -61.95
CIE LCh	56, 62.669, 278.665
Yxy	23.7388, 0.1819, 0.1749
Android (android.graphics.Color)	4278224882 (0xFF0087F2)
YUV	106.8330, 66.6373, -93.6925
Hunter-Lab	48.7225, 5.1938, -72.1108

Details

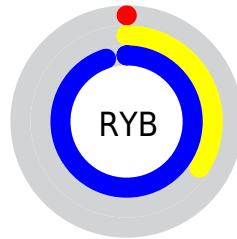
The XYZ color **24.6910, 23.7388, 87.2851** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **41.8832, 29.4068, 3.4705**, and the grayscale version is **13.7791, 14.4967, 15.7869**.

A 20% lighter version of the original color is **42.3399, 46.4376, 101.3396**, and **12.0847, 10.1584, 47.2228** is the 20% darker color. If you saturate the color by 10%, you get **24.6871, 23.7308, 87.2843**, and if you desaturate by 10%, it is **26.6435, 27.0749, 87.8267**.

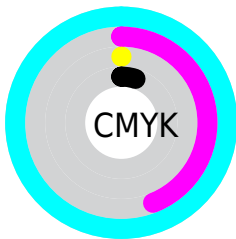
Distribution



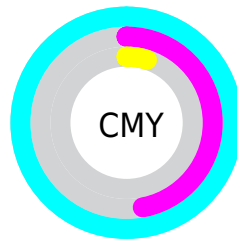
- Red (0%)
- Green (53%)
- Blue (95%)



- Red (0%)
- Yellow (34%)
- Blue (95%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (47%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6910, 23.7388, 87.2851 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 24.6910, 23.7388, 87.2851 by changing the saturation by 10% instead.

■ 24.6910, 23.7388,
87.2851

■ 24.6910, 23.7388,
87.2851

268.6717,
271.4973, 539.4998

■ 15.9745, 15.1400,
65.1702

■ 50.6020, 49.6036,
145.4638

■ 9.5968, 8.9177,
47.1469

■ 68.5272, 67.6384,
182.3647

■ 5.1927, 4.6875,
32.7966

■ 90.2527, 89.5873,
225.0314

■ 2.3967, 2.0651,
21.7008

■ 116.1438,
115.8347, 273.8823

■ 0.8434, 0.6449,
13.4410

■ 146.5659,
146.7650, 329.3361

■ 0.0000, 0.0000,
7.5987

181.8844,

■ 0.0000, 0.0000,

182.7626, 391.8112

3.7552

222.4645,
224.2119, 461.7263

■ 0.0000, 0.0000,
1.4920

■ 0.0000, 0.0000,
0.2120

■ 24.6910, 23.7388,
87.2851

■ 24.6910, 23.7388,
87.2851

■ 24.6871, 23.7308,
87.2843

■ 26.6435, 27.0749,
87.8267

■ 29.2250, 30.9643,
88.4414

■ 32.5884, 35.4920,
89.1380

■ 36.8258, 40.7112,
89.9221

■ 42.0152, 46.6677,
90.7983

■ 48.2250, 53.4023,
91.7709

■ 55.5169, 60.9520,
92.8438

■ 63.9473, 69.3509,
94.0207

■ 73.5685, 78.6310,
95.3048

Harmonies

Analogous

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



17.9362, 23.7388, 82.3370



24.6910, 23.7388, 87.2851



32.2519, 23.7388, 70.1890

Triad

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



24.6910, 23.7388, 87.2851



35.0416, 23.7388, 8.2653



12.0553, 23.7388, 14.0382

Complementary

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



24.6910, 23.7388, 87.2851



41.8832, 29.4068, 3.4705

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.



15.0395, 23.7388, 5.7199



24.6910, 23.7388, 87.2851



27.9241, 23.7388, 3.8181

Square

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



24.6910, 23.7388, 87.2851



39.0000, 23.7388, 20.3746



20.5610, 23.7388, 3.2254



11.5473, 23.7388, 32.2220

Rectangle

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



24.6910, 23.7388, 87.2851



36.4066, 23.7388, 52.0960



20.5610, 23.7388, 3.2254



12.7665, 23.7388, 10.3400

Sweetspot

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



24.6921, 23.7395, 87.2857



62.4255, 68.5451, 104.5481



34.2981, 64.5231, 23.9854



12.5870, 13.8785, 22.2654



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.



24.6921, 23.7395, 87.2857



27.7560, 26.6320, 98.2853



16.2162, 6.7877, 84.4604



15.6285, 16.6911, 20.1196



13.4006, 13.0254, 46.9357



1.2138, 1.2816, 3.9376

Inverse Universe

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



40.9922, 20.6281, 24.7431



46.1391, 23.2197, 27.7285



63.7801, 73.2005, 10.7695



16.1419, 15.9065, 18.3035



22.0896, 11.1083, 13.6544



1.8876, 0.9441, 1.3991

Previews

White Background



This preview shows how the XYZ color 24.6910, 23.7388, 87.2851 looks on a white background.

Color Contrast Check

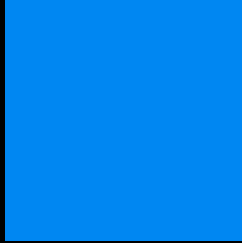
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6910, 23.7388, 87.2851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

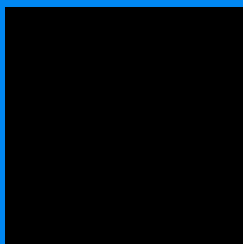
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

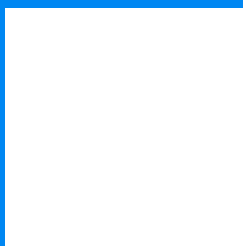
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.6910, 23.7388, 87.2851

Background



This preview shows how black text looks on a background with the XYZ color 24.6910, 23.7388, 87.2851.



This preview shows how white text looks on a background with the XYZ color 24.6910, 23.7388,

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

24.6910, 23.7388, 87.2851

Protanopia

26.5579, 23.5956, 82.5115

Deuteranopia

24.3921, 23.6192, 85.7114



Tritanopia

16.7615, 23.6484, 36.0289

Trichromacy



Original Color

24.6910, 23.7388, 87.2851

Protanomaly

25.0171, 23.1625, 84.0412

Deuteranomaly

24.5412, 23.6788, 86.4961

Tritanomaly

19.0078, 23.3190, 51.6433

Monochromacy



Original Color

24.6910, 23.7388, 87.2851

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.7459, 16.3518, 33.8315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6910, 23.7388, 87.2851 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(0, 135, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 242)  
}
```

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(0, 135, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 242) }
```

Border

The CSS property to change the border of an element to XYZ 24.6910, 23.7388, 87.2851 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(0, 135, 242) }
```


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

```
.border{ border-color:rgb(0, 135, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6910, 23.7388, 87.2851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 242) }
```

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

```
.background{ background-color: rgb(0, 135,  
242) }
```

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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