

Converting Colors

XYZ(25.1328, 23.9442, 89.5233)

Have a look what the booklet for
XYZ(25.1328, 23.9442, 89.5233)
contains.

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Color

**XYZ(25.1454, 23.9205,
89.6780)**

Conversions

Conversions Part 1

Format	Color
Hex	0087F5
RGB	0, 135, 245
RGB Percent	0%, 53%, 96%
CMY	0.9997, 0.4706, 0.0392
CMYK	1.00, 0.45, 0.00, 0.04
HSL	207°, 100%, 48%
HSV	207°, 100%, 96%
XYZ	25.1454, 23.9205, 89.6780
YIQ	107.1750, -115.7700, 5.5900

Conversions

Conversions Part 2

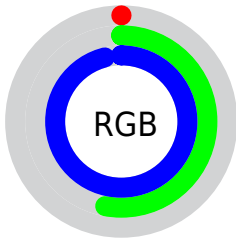
Format	Color
R _{YB}	0, 87, 245
Decimal	34805
CIE _{Lab}	56.01, 10.60, -63.32
CIE _{LCh}	56, 64.202, 279.503
Yxy	23.9205, 0.1812, 0.1724
Android (android.graphics.Color)	4278224885 (0xFF0087F5)
YUV	107.1750, 67.9477, -93.9925
Hunter-Lab	48.9086, 6.1823, -74.4772

Details

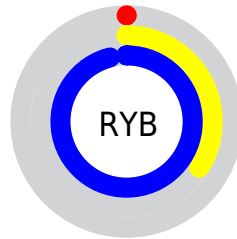
The XYZ color **25.1454, 23.9205, 89.6780** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **43.2404, 30.5799, 3.6255**, and the grayscale version is **13.8703, 14.5926, 15.8914**.

A 20% lighter version of the original color is **42.4636, 46.5014, 101.3453**, and **12.4049, 10.2864, 48.9086** is the 20% darker color. If you saturate the color by 10%, you get **25.1412, 23.9119, 89.6771**, and if you desaturate by 10%, it is **27.1514, 27.3528, 90.2354**.

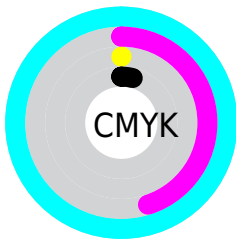
Distribution



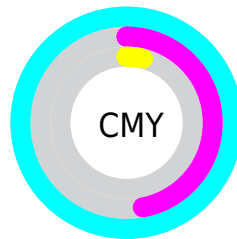
- Red (0%)
- Green (53%)
- Blue (96%)



- Red (0%)
- Yellow (34%)
- Blue (96%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (47%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1454, 23.9205, 89.6780 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 25.1454, 23.9205, 89.6780 by changing the saturation by 10% instead.

■ 25.1454, 23.9205,
89.6780

■ 25.1454, 23.9205,
89.6780

270.8956,
272.4183, 547.5259

■ 16.3147, 15.2747,
67.1414

■ 51.3342, 49.9004,
148.8227

■ 9.8394, 9.0124,
48.7372

■ 69.4230, 68.0033,
186.2678

■ 5.3540, 4.7493,
34.0469

■ 91.3286, 90.0273,
229.5195

■ 2.4933, 2.1009,
22.6520

■ 117.4164,
116.3569, 278.9964

■ 0.8919, 0.6651,
14.1339

■ 148.0516,
147.3764, 335.1169

■ 0.0000, 0.0000,
8.0740

183.5996,

■ 0.0000, 0.0000,

183.4702, 398.2996

4.0539

224.4258,
225.0227, 468.9631

■ 0.0000, 0.0000,
1.6550

■ 0.0000, 0.0000,
0.3296

■ 25.1454, 23.9205,
89.6780

■ 25.1454, 23.9205,
89.6780

■ 25.1412, 23.9119,
89.6771

■ 27.1514, 27.3528,
90.2354

■ 29.8097, 31.3636,
90.8694

■ 33.2771, 36.0405,
91.5894

■ 37.6489, 41.4388,
92.4009

■ 43.0057, 47.6060,
93.3090

■ 49.4181, 54.5847,
94.3180

■ 56.9500, 62.4132,
95.4321

■ 65.6596, 71.1272,
96.6551

■ 75.6010, 80.7598,
97.9904

Harmonies

Analogous

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



18.1446, 23.9205, 85.1863



25.1454, 23.9205, 89.6780



32.9431, 23.9205, 71.3171

Triad

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



25.1454, 23.9205, 89.6780



35.4518, 23.9205, 7.8704



11.9155, 23.9205, 14.3040

Complementary

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



25.1454, 23.9205, 89.6780



43.2404, 30.5799, 3.6255

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.



14.8901, 23.9205, 5.6537



25.1454, 23.9205, 89.6780



28.0425, 23.9205, 3.5703

Square

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



25.1454, 23.9205, 89.6780



39.6826, 23.9205, 19.9279



20.4851, 23.9205, 3.0637



11.4665, 23.9205, 33.3018

Rectangle

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



25.1454, 23.9205, 89.6780



37.1879, 23.9205, 52.4038



20.4851, 23.9205, 3.0637



12.6170, 23.9205, 10.4501

Sweetspot

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



25.1465, 23.9212, 89.6787



62.2874, 68.2689, 104.5021



35.2658, 66.3506, 24.6404



12.5542, 13.8130, 22.2544



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.



25.1465, 23.9212, 89.6787



27.4980, 26.1160, 98.1993



16.6737, 6.9756, 86.8544



16.3380, 17.4403, 21.0478



13.6843, 13.1625, 48.3574



1.3053, 1.3619, 4.2843

Inverse Universe

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



42.0304, 21.1634, 24.7916



46.0089, 23.1676, 27.0428



65.5855, 75.2700, 11.0739



16.8812, 16.6353, 19.1209



22.7117, 11.4281, 13.7223



2.0479, 1.0251, 1.4786

Previews

White Background



This preview shows how the XYZ color 25.1454, 23.9205, 89.6780 looks on a white background.

Color Contrast Check

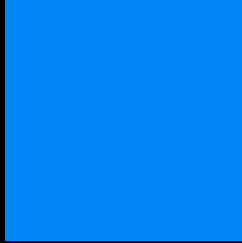
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1454, 23.9205, 89.6780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

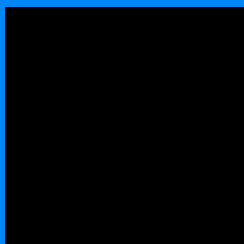
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

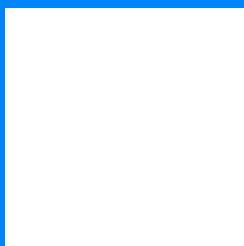
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.1454, 23.9205, 89.6780

Background



This preview shows how black text looks on a background with the XYZ color 25.1454, 23.9205, 89.6780.



This preview shows how white text looks on a background with the XYZ color 25.1454, 23.9205,

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

25.1454, 23.9205, 89.6780

Protanopia

27.1041, 24.0059, 85.6431

Deuteranopia

24.5323, 23.8996, 85.7582



Tritanopia

16.7615, 23.6484, 36.0289

Trichromacy



Original Color

25.1454, 23.9205, 89.6780

Protanomaly

25.6945, 23.6434, 87.2138

Deuteranomaly

24.8312, 24.0191, 87.3318

Tritanomaly

19.1167, 23.3626, 52.2171

Monochromacy



Original Color

25.1454, 23.9205, 89.6780

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.8310, 16.3858, 34.2794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1454, 23.9205, 89.6780 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 245) }
```

Border

The CSS property to change the border of an element to XYZ 25.1454, 23.9205, 89.6780 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, 245) }
```


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

```
.border{ border-color:rgb(0, 135, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1454, 23.9205, 89.6780 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, 245) }
```

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

```
.background{ background-color: rgb(0, 135,  
245) }
```

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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