

Converting Colors

XYZ(25.3753, 24.4509, 83.5033)

Have a look what the booklet for
XYZ(25.3753, 24.4509, 83.5033)
contains.

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Color

**XYZ(25.3091, 24.3511,
83.4871)**

Conversions

Conversions Part 1

Format	Color
Hex	3088ED
RGB	48, 136, 237
RGB Percent	19%, 53%, 93%
CMY	0.8117, 0.4667, 0.0706
CMYK	0.80, 0.43, 0.00, 0.07
HSL	212°, 84%, 56%
HSV	212°, 80%, 93%
XYZ	25.3091, 24.3511, 83.4871
YIQ	121.2020, -84.8690, 12.7550

Conversions

Conversions Part 2

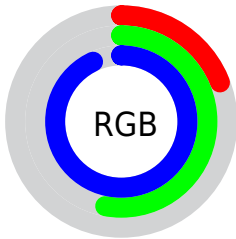
Format	Color
R_{YB}	48, 108, 237
Decimal	3180781
CIE _{Lab}	56.44, 9.44, -58.16
CIE _{LCh}	56, 58.925, 279.222
Yxy	24.3511, 0.1901, 0.1829
Android (android.graphics.Color)	4281370861 (0xFF3088ED)
YUV	121.2020, 57.0884, -64.1982
Hunter-Lab	49.3468, 5.1925, -65.7666




Details

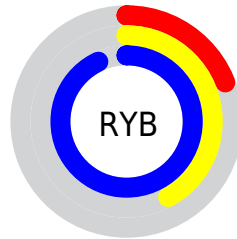
The XYZ color **25.3091, 24.3511, 83.4871** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **46.2091, 39.7180, 8.0289**, and the grayscale version is **18.0819, 19.0236, 20.7167**.




A 20% lighter version of the original color is **44.2736, 47.7528, 101.4915**, and **11.6464, 10.1117, 44.5179** is the 20% darker color. If you saturate the color by 10%, you get **22.7950, 20.5617, 82.8887**, and if you desaturate by 10%, it is **28.6324, 28.8710, 84.1849**.

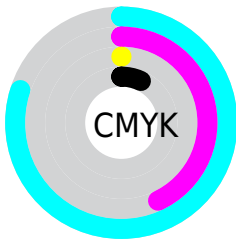
Distribution







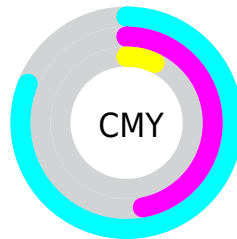
-  Red (19%)
-  Green (53%)
-  Blue (93%)






-  Red (19%)
-  Yellow (42%)
-  Blue (93%)



-  Cyan (80%)
-  Magenta (43%)
-  Yellow (0%)
-  Black (7%)



-  Cyan (81%)
-  Magenta (47%)
-  Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3091, 24.3511, 83.4871 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 25.3091, 24.3511, 83.4871 by changing the saturation by 10% instead.

■ 25.3091, 24.3511,
83.4871

■ 25.3091, 24.3511,
83.4871

271.6931,
274.5907, 526.6219

■ 16.4375, 15.5943,
62.0491

■ 51.5975, 50.6025,
140.1128

■ 9.9270, 9.2375,
44.6363

■ 69.7450, 68.8659,
176.1376

■ 5.4125, 4.8964,
30.8302

■ 91.7151, 91.0670,
217.8618

■ 2.5285, 2.1866,
20.2122

■ 117.8733,
117.5901, 265.7039

■ 0.9096, 0.7127,
12.3638

■ 148.5848,
148.8196, 320.0824

■ 0.0000, 0.0000,
6.8664

184.2151,

■ 0.0000, 0.0000,

185.1400, 381.4158

3.3015

225.1294,
226.9355, 450.1229

■ 0.0000, 0.0000,
1.2506

■ 0.0000, 0.0000,
0.0208

■ 25.3091, 24.3511,
83.4871

■ 25.3091, 24.3511,
83.4871

■ 22.7950, 20.5617,
82.8887

■ 28.6324, 28.8710,
84.1849

■ 20.9422, 17.4152,
82.3791

■ 32.8520, 34.1761,
84.9865

■ 20.8988, 17.3398,
82.3668

■ 38.0458, 40.3165,
85.8980

■ 44.2815, 47.3365,
86.9243

■ 51.6203, 55.2769,
88.0702

■ 60.1183, 64.1753,
89.3399

■ 69.8277, 74.0668,
90.7374

■ 80.7972, 84.9848,
92.2666

■ 90.7105, 95.7431,
93.8207

Harmonies

Analogous

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



18.8006, 24.3511, 79.3555



25.3091, 24.3511, 83.4871



32.4590, 24.3511, 67.5091

Triad

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



25.3091, 24.3511, 83.4871



34.8532, 24.3511, 9.1595



12.9280, 24.3511, 15.3048

Complementary

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



25.3091, 24.3511, 83.4871



46.2091, 39.7180, 8.0289

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.



15.8086, 24.3511, 6.7726



25.3091, 24.3511, 83.4871



28.1118, 24.3511, 4.6285

Square

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



25.3091, 24.3511, 83.4871



38.6386, 24.3511, 20.9433



21.1079, 24.3511, 4.0441



12.4703, 24.3511, 32.9945

Rectangle

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



25.3091, 24.3511, 83.4871



36.3273, 24.3511, 50.7278



21.1079, 24.3511, 4.0441



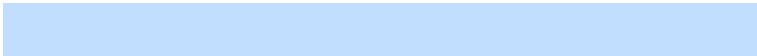
13.6135, 24.3511, 11.5735

Sweetspot

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



25.3101, 24.3518, 83.4877



66.4459, 71.0611, 104.8218



36.9136, 63.3614, 38.6378



13.4663, 14.4157, 22.3227



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.



25.3101, 24.3518, 83.4877



25.4068, 21.7440, 97.4657



17.8821, 9.0227, 80.9204



14.8093, 15.7050, 19.1731



11.5386, 9.7242, 45.0118



1.0015, 0.9545, 3.5663

Inverse Universe

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



40.4269, 21.8975, 25.3888



44.9996, 22.9410, 21.1818



63.6769, 77.7216, 14.4437



15.3573, 15.1708, 17.1667



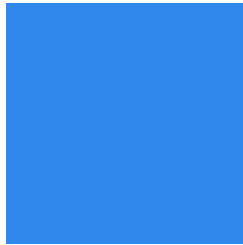
20.6794, 10.4745, 9.3792



1.6720, 0.8418, 0.9902

Previews

White Background



This preview shows how the XYZ color 25.3091, 24.3511, 83.4871 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 25.3091, 24.3511, 83.4871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

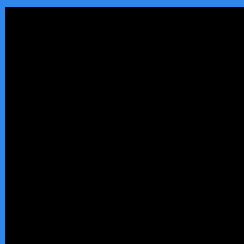
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

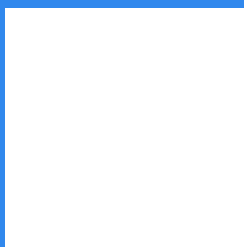
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.3091, 24.3511, 83.4871

Background



This preview shows how black text looks on a background with the XYZ color 25.3091, 24.3511, 83.4871.



This preview shows how white text looks on a background with the XYZ color 25.3091, 24.3511,

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

25.3091, 24.3511, 83.4871

Protanopia

26.8982, 24.2325, 79.6036

Deuteranopia

25.1289, 24.2582, 83.4786



Tritanopia

17.0926, 24.0330, 36.9957

Trichromacy



Original Color

25.3091, 24.3511, 83.4871

Protanomaly

26.1405, 24.2114, 81.1374

Deuteranomaly

25.1724, 24.2806, 83.4807

Tritanomaly

19.2815, 23.6965, 51.1346

Monochromacy



Original Color

25.3091, 24.3511, 83.4871

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.6878, 19.9457, 37.5153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3091, 24.3511, 83.4871 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(48, 136, 237)` looks like.

```
.text, #text, p{  
    color:rgb(48, 136, 237)  
}
```

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(48, 136, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 136, 237) }
```

Border

The CSS property to change the border of an element to XYZ 25.3091, 24.3511, 83.4871 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(48, 136, 237) }
```


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

```
.border{ border-color:rgb(48, 136, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 136, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 136, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 136, 237);  
box-shadow:4px 4px 4px 4px rgb(48, 136,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3091, 24.3511, 83.4871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 136, 237) }
```

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

```
.background{ background-color: rgb(48, 136,  
237) }
```

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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