

Converting Colors

XYZ(25.6377, 23.7309, 87.4307)

Have a look what the booklet for
XYZ(25.6377, 23.7309, 87.4307)
contains.

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Color

**XYZ(25.6335, 23.8142,
87.2500)**

Conversions

Conversions Part 1

Format	Color
Hex	3085F2
RGB	48, 133, 242
RGB Percent	19%, 52%, 95%
CMY	0.8117, 0.4784, 0.0510
CMYK	0.80, 0.45, 0.00, 0.05
HSL	214°, 88%, 57%
HSV	214°, 80%, 95%
XYZ	25.6335, 23.8142, 87.2500
YIQ	120.0110, -85.6490, 15.8790

Conversions

Conversions Part 2

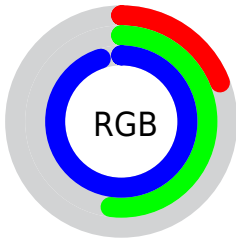
Format	Color
R_{YB}	48, 107, 242
Decimal	3180018
CIE _{Lab}	55.90, 13.12, -61.80
CIE _{LCh}	56, 63.176, 281.989
Yxy	23.8142, 0.1875, 0.1742
Android (android.graphics.Color)	4281370098 (0xFF3085F2)
YUV	120.0110, 60.1406, -63.1536
Hunter-Lab	48.7998, 8.3626, -71.8458

Details

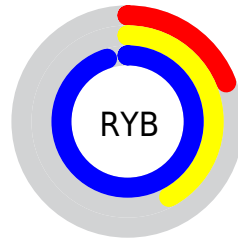
The XYZ color **25.6335, 23.8142, 87.2500** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **49.2124, 43.2115, 8.5453**, and the grayscale version is **17.6917, 18.6131, 20.2696**.

A 20% lighter version of the original color is **43.7773, 46.5488, 101.2852**, and **11.9273, 9.8434, 47.1703** is the 20% darker color. If you saturate the color by 10%, you get **23.0443, 19.8924, 86.6301**, and if you desaturate by 10%, it is **29.0874, 28.5399, 87.9807**.

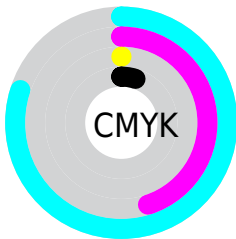
Distribution



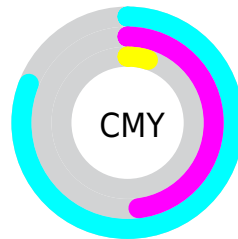
- Red (19%)
- Green (52%)
- Blue (95%)



- Red (19%)
- Yellow (42%)
- Blue (95%)



- Cyan (80%)
- Magenta (45%)
- Yellow (0%)
- Black (5%)



- Cyan (81%)
- Magenta (48%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6335, 23.8142, 87.2500 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 25.6335, 23.8142, 87.2500 by changing the saturation by 10% instead.

■ 25.6335, 23.8142,
87.2500

■ 25.6335, 23.8142,
87.2500

273.2681,
271.8798, 539.3815

■ 16.6809, 15.1959,
65.1413

■ 52.1186, 49.7268,
145.4145

■ 10.1011, 8.9570,
47.1236

■ 70.3819, 67.7899,
182.3074

■ 5.5288, 4.7131,
32.7783

■ 92.4794, 89.7700,
224.9654

■ 2.5987, 2.0799,
21.6870

■ 118.7765,
116.0515, 273.8071

■ 0.9453, 0.6533,
13.4310

■ 149.6385,
147.0189, 329.2510

■ 0.0000, 0.0000,
7.5918

185.4309,

■ 0.0000, 0.0000,

183.0564, 391.7157

3.7509

226.5190,
224.5486, 461.6197

■ 0.0000, 0.0000,
1.4897

■ 0.0000, 0.0000,
0.2102

■ 25.6335, 23.8142,
87.2500

■ 25.6335, 23.8142,
87.2500

■ 23.0443, 19.8924,
86.6301

■ 29.0874, 28.5399,
87.9807

■ 21.1830, 16.7226,
86.1163

■ 33.5002, 34.1304,
88.8272

■ 38.9556, 40.6414,
89.7964

■ 45.5263, 48.1221,
90.8940

■ 53.2783, 56.6175,
92.1252

■ 62.2717, 66.1696,
93.4949

■ 72.5626, 76.8175,
95.0078

■ 84.2034, 88.5983,
96.6682

■ 93.0271, 99.1909,
98.2477

Harmonies

Analogous

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



18.6189, 23.8142, 84.8520



25.6335, 23.8142, 87.2500



33.2150, 23.8142, 67.9647

Triad

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



25.6335, 23.8142, 87.2500



34.5606, 23.8142, 7.4233



11.8580, 23.8142, 15.5023

Complementary

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



25.6335, 23.8142, 87.2500



49.2124, 43.2115, 8.5453

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.



14.5800, 23.8142, 6.2162



25.6335, 23.8142, 87.2500



27.1900, 23.8142, 3.5491

Square

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



25.6335, 23.8142, 87.2500



39.0541, 23.8142, 18.5358



19.8794, 23.8142, 3.2705



11.6151, 23.8142, 35.0669

Rectangle

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



25.6335, 23.8142, 87.2500



37.1864, 23.8142, 49.3585



19.8794, 23.8142, 3.2705



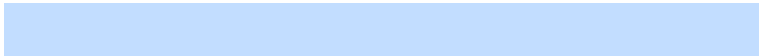
12.4815, 23.8142, 11.4124

Sweetspot

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



25.6346, 23.8149, 87.2506



66.0007, 70.1707, 104.6734



38.8642, 66.4903, 41.6680



13.3600, 14.2033, 22.2873



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.



25.6346, 23.8149, 87.2506



24.5909, 20.1122, 97.1937



18.8135, 9.4174, 84.8312



15.4670, 16.3682, 20.0658



11.5103, 9.2449, 46.3057



1.0549, 0.9638, 3.8846

Inverse Universe

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



41.9096, 22.6863, 24.3605



44.5878, 22.7763, 19.0131



65.6630, 80.9246, 14.9576



16.0604, 15.8739, 17.8744



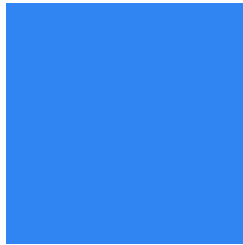
21.1355, 10.7266, 8.6301



1.8074, 0.9120, 0.9767

Previews

White Background



This preview shows how the XYZ color 25.6335, 23.8142, 87.2500 looks on a white background.

Color Contrast Check

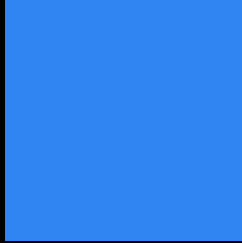
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6335, 23.8142, 87.2500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

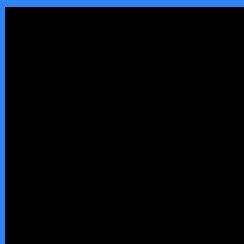
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

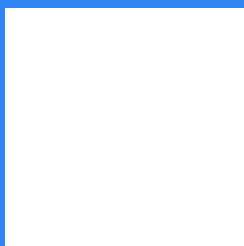
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.6335, 23.8142, 87.2500

Background



This preview shows how black text looks on a background with the XYZ color 25.6335, 23.8142, 87.2500.



This preview shows how white text looks on a background with the XYZ color 25.6335, 23.8142,

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

25.6335, 23.8142, 87.2500

Protanopia

26.6762, 23.6229, 84.0426

Deuteranopia

24.3921, 23.6192, 85.7114



Tritanopia

16.7615, 23.6484, 36.0289

Trichromacy



Original Color

25.6335, 23.8142, 87.2500

Protanomaly

26.0169, 23.4625, 84.8188

Deuteranomaly

24.6334, 23.5202, 86.4606

Tritanomaly

19.2389, 23.4382, 51.6541

Monochromacy



Original Color

25.6335, 23.8142, 87.2500

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.6505, 19.7273, 37.9467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6335, 23.8142, 87.2500 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, 133, 242)` looks like.

```
.text, #text, p{  
    color:rgb(48, 133, 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(48, 133, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 133, 242) }
```

Border

The CSS property to change the border of an element to XYZ 25.6335, 23.8142, 87.2500 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, 133, 242) }
```


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

```
.border{ border-color:rgb(48, 133, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 133, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 133, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 133, 242);  
box-shadow:4px 4px 4px 4px rgb(48, 133,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6335, 23.8142, 87.2500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 133, 242) }
```

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

```
.background{ background-color: rgb(48, 133,  
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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