

Converting Colors

XYZ(14.5750, 20.5455, 83.4157)

Have a look what the booklet for
XYZ(14.5750, 20.5455, 83.4157)
contains.

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Color

**XYZ(25.2593, 26.0609,
83.8197)**

Conversions

Conversions Part 1

Format	Color
Hex	0090ED
RGB	0, 144, 237
RGB Percent	0%, 56%, 93%
CMY	0.9997, 0.4353, 0.0706
CMYK	1.00, 0.39, 0.00, 0.07
HSL	204°, 100%, 46%
HSV	204°, 100%, 93%
XYZ	25.2593, 26.0609, 83.8197
YIQ	111.5460, -115.6770, -1.6050

Conversions

Conversions Part 2

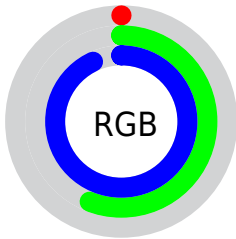
Format	Color
RYB	0, 90, 237
Decimal	37101
CIELab	58.09, 2.09, -55.55
CIELCh	58, 55.588, 272.153
Yxy	26.0609, 0.1869, 0.1928
Android (android.graphics.Color)	4278227181 (0xFF0090ED)
YUV	111.5460, 61.8488, -97.8258
Hunter-Lab	51.0499, -1.0161, -61.6144

Details

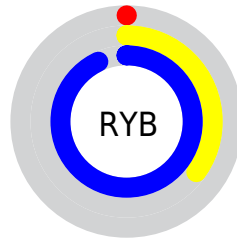
The XYZ color **25.2593, 26.0609, 83.8197** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **38.8457, 25.8449, 2.9430**, and the grayscale version is **15.1238, 15.9114, 17.3275**.

A 20% lighter version of the original color is **44.0797, 50.2783, 101.9892**, and **12.2409, 11.3007, 44.7161** is the 20% darker color. If you saturate the color by 10%, you get **25.2557, 26.0536, 83.8191**, and if you desaturate by 10%, it is **27.0983, 29.1877, 84.3269**.

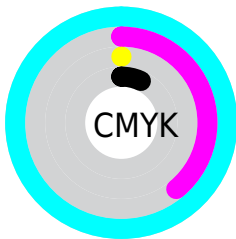
Distribution



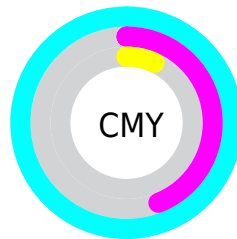
- Red (0%)
- Green (56%)
- Blue (93%)



- Red (0%)
- Yellow (35%)
- Blue (93%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (44%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2593, 26.0609, 83.8197 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 25.2593, 26.0609, 83.8197 by changing the saturation by 10% instead.

■ 25.2593, 26.0609,
83.8197

■ 25.2593, 26.0609,
83.8197

271.4507,
283.0809, 527.7567

■ 16.4001, 16.8692,
62.3221

■ 51.5174, 53.3732,
140.5824

■ 9.9004, 10.1413,
44.8555

■ 69.6471, 72.2625,
176.6846

■ 5.3947, 5.4927,
31.0015

■ 91.5976, 95.1533,
218.4920

■ 2.5178, 2.5392,
20.3415

■ 117.7344,
122.4297, 266.4232

■ 0.9042, 0.8962,
12.4570

■ 148.4227,
154.4763, 320.8967

■ 0.0000, 0.0000,
6.9294

184.0280,

■ 0.0000, 0.0000,

191.6775, 382.3311

3.3402

224.9155,
234.4175, 451.1449

■ 0.0000, 0.0000,
1.2709

■ 0.0000, 0.0000,
0.0377

■ 25.2593, 26.0609,
83.8197

■ 25.2593, 26.0609,
83.8197

■ 25.2557, 26.0536,
83.8191

■ 27.0983, 29.1877,
84.3269

■ 29.5074, 32.7846,
84.8942

■ 32.6320, 36.9306,
85.5298

■ 36.5583, 41.6738,
86.2384

■ 41.3593, 47.0555,
87.0241

■ 47.0988, 53.1122,
87.8907

■ 53.8344, 59.8769,
88.8414

■ 61.6187, 67.3801,
89.8794

■ 70.5004, 75.6502,
91.0075

Harmonies

Analogous

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



19.2065, 26.0609, 75.3457



25.2593, 26.0609, 83.8197



32.3107, 26.0609, 72.7081

Triad

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



25.2593, 26.0609, 83.8197



37.4131, 26.0609, 12.8753



15.0036, 26.0609, 14.3520

Complementary

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



25.2593, 26.0609, 83.8197



38.8457, 25.8449, 2.9430

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.



18.5047, 26.0609, 7.1497



25.2593, 26.0609, 83.8197



31.3161, 26.0609, 6.6087

Square

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



25.2593, 26.0609, 83.8197



40.0732, 26.0609, 27.0066



24.2873, 26.0609, 5.1227



13.9630, 26.0609, 29.7907

Rectangle

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



25.2593, 26.0609, 83.8197



36.4515, 26.0609, 57.7103



24.2873, 26.0609, 5.1227



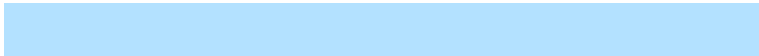
15.8962, 26.0609, 11.1765

Sweetspot

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



25.2604, 26.0617, 83.8204



63.4429, 70.5800, 104.8873



32.1688, 61.3227, 20.0137



12.8288, 14.3621, 22.3460



0.0000, 0.0000, 0.0000



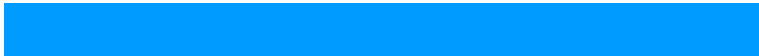
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.2604, 26.0617, 83.8204



29.7563, 30.6327, 98.9521



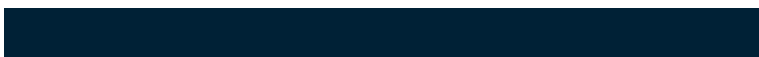
15.6953, 6.9316, 80.6320



14.9927, 16.0718, 19.2342



13.9200, 14.4871, 45.8056



1.1863, 1.3240, 3.6279

Inverse Universe

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



39.9601, 20.0197, 28.1440



47.1488, 23.6235, 33.0454



57.8141, 63.7817, 9.2658



15.4499, 15.2078, 17.6543



21.8815, 10.9553, 15.7091



1.7653, 0.8791, 1.4813

Previews

White Background



This preview shows how the XYZ color 25.2593, 26.0609, 83.8197 looks on a white background.

Color Contrast Check

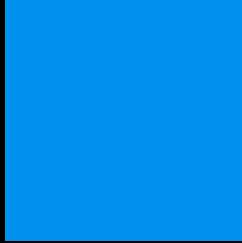
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2593, 26.0609, 83.8197 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

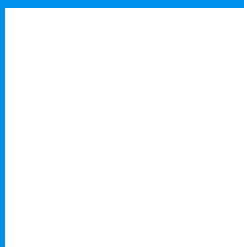
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.2593, 26.0609, 83.8197

Background



This preview shows how black text looks on a background with the XYZ color 25.2593, 26.0609, 83.8197.

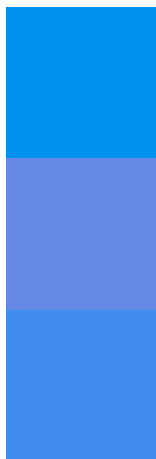


This preview shows how white text looks on a background with the XYZ color 25.2593, 26.0609,

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

25.2593, 26.0609, 83.8197

Protanopia

28.3138, 26.0322, 77.6612

Deuteranopia

26.9251, 26.0192, 84.4920



Tritanopia

18.3471, 25.8278, 39.6156

Trichromacy



Original Color

25.2593, 26.0609, 83.8197

Protanomaly

25.9125, 25.3814, 79.8773

Deuteranomaly

25.8719, 25.6942, 84.4848

Tritanomaly

20.3103, 25.5743, 53.1561

Monochromacy



Original Color

25.2593, 26.0609, 83.8197

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.8920, 18.1892, 34.5716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2593, 26.0609, 83.8197 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, 144, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 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(0, 144, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 237) }
```

Border

The CSS property to change the border of an element to XYZ 25.2593, 26.0609, 83.8197 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, 144, 237) }
```


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

```
.border{ border-color:rgb(0, 144, 237) }
```

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

Here you see how a box with a 4 pixel rgb(0, 144, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2593, 26.0609, 83.8197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 237) }
```

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

```
.background{ background-color: rgb(0, 144,  
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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