

Converting Colors

XYZ(10.9246, 18.6836, 75.6349)

Have a look what the booklet for
XYZ(10.9246, 18.6836, 75.6349)
contains.

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Color

**XYZ(23.6876, 25.1910,
76.2869)**

Conversions

Conversions Part 1

Format	Color
Hex	008FE3
RGB	0, 143, 227
RGB Percent	0%, 56%, 89%
CMY	0.9998, 0.4392, 0.1098
CMYK	1.00, 0.37, 0.00, 0.11
HSL	202°, 100%, 45%
HSV	202°, 100%, 89%
XYZ	23.6876, 25.1910, 76.2869
YIQ	109.8190, -112.1920, -4.1920

Conversions

Conversions Part 2

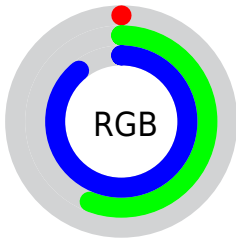
Format	Color
R_{YB}	0, 88, 227
Decimal	36835
CIE _{Lab}	57.26, -1.13, -51.32
CIE _{LCh}	57, 51.334, 268.741
Yxy	25.1910, 0.1893, 0.2013
Android (android.graphics.Color)	4278226915 (0xFF008FE3)
YUV	109.8190, 57.7702, -96.3113
Hunter-Lab	50.1906, -3.5901, -54.9840

Details

The XYZ color **23.6876, 25.1910, 76.2869** 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 **34.8540, 22.6808, 2.5425**, and the grayscale version is **14.6375, 15.3998, 16.7704**.

A 20% lighter version of the original color is **43.6156, 49.7031, 101.9026**, and **11.2650, 10.7690, 40.0130** is the 20% darker color. If you saturate the color by 10%, you get **23.6846, 25.1849, 76.2864**, and if you desaturate by 10%, it is **25.3447, 27.9887, 76.7401**.

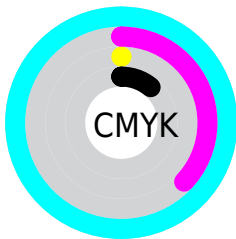
Distribution



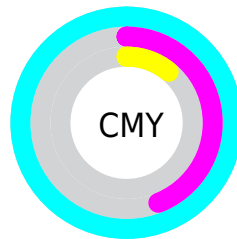
- Red (0%)
- Green (56%)
- Blue (89%)



- Red (0%)
- Yellow (35%)
- Blue (89%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (44%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6876, 25.1910, 76.2869 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 23.6876, 25.1910, 76.2869 by changing the saturation by 10% instead.

■ 23.6876, 25.1910,
76.2869

■ 23.6876, 25.1910,
76.2869

263.7071,
278.7878, 501.7022

■ 15.2255, 16.2194,
56.1597

■ 48.9783, 51.9669,
129.8962

■ 9.0652, 9.6795,
39.9261

■ 66.5377, 70.5400,
164.2154

■ 4.8412, 5.1870,
27.1676

■ 87.8602, 93.0824,
204.1023

■ 2.1882, 2.3574,
17.4656

■ 113.3112,
119.9785, 249.9755

■ 0.7365, 0.8038,
10.4016

■ 143.2560,
151.6127, 302.2536

■ 0.0000, 0.0000,
5.5569

178.0600,

■ 0.0000, 0.0000,

188.3694, 361.3550

2.5132

218.0886,
230.6330, 427.6984

■ 0.0000, 0.0000,
0.8471

■ 0.0000, 0.0000,
0.0000

■ 23.6876, 25.1910,
76.2869

■ 23.6876, 25.1910,
76.2869

■ 23.6846, 25.1849,
76.2864

■ 25.3447, 27.9887,
76.7401

■ 27.5048, 31.1887,
77.2439

■ 30.3012, 34.8628,
77.8057

■ 33.8109, 39.0534,
78.4296

■ 38.0989, 43.7969,
79.1192

■ 43.2223, 49.1253,
79.8777

■ 49.2326, 55.0677,
80.7079

■ 56.1768, 61.6508,
81.6125

■ 64.0983, 68.8995,
82.5942

Harmonies

Analogous

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



18.3808, 25.1910, 67.0973



23.6876, 25.1910, 76.2869



30.0085, 25.1910, 68.4404

Triad

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



23.6876, 25.1910, 76.2869



35.7104, 25.1910, 14.2860



15.2844, 25.1910, 13.4778

Complementary

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



23.6876, 25.1910, 76.2869



34.8540, 22.6808, 2.5425

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.



18.7559, 25.1910, 7.3143



23.6876, 25.1910, 76.2869



30.5281, 25.1910, 7.6230

Square

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



23.6876, 25.1910, 76.2869



37.6175, 25.1910, 28.1702



24.2008, 25.1910, 5.7396



14.0637, 25.1910, 26.7004

Rectangle

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



23.6876, 25.1910, 76.2869



33.8376, 25.1910, 55.9213



24.2008, 25.1910, 5.7396



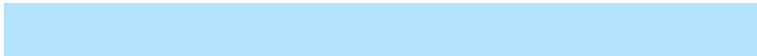
16.1944, 25.1910, 10.7576

Sweetspot

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



23.6886, 25.1918, 76.2876



63.9079, 71.5100, 105.0422



29.0418, 55.5677, 17.4335



12.9396, 14.5837, 22.3829



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.



23.6886, 25.1918, 76.2876



30.7277, 32.5755, 99.2759



14.3383, 6.4912, 73.1708



14.3356, 15.3926, 18.3598



13.9280, 14.9181, 44.5286



1.1174, 1.2787, 3.3199

Inverse Universe

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



36.6375, 18.3155, 27.5913



47.6391, 23.8197, 35.6274



51.5868, 56.1465, 8.1201



14.7570, 14.5200, 16.9206



21.4237, 10.7037, 16.3921



1.6276, 0.8088, 1.4456

Previews

White Background



This preview shows how the XYZ color 23.6876, 25.1910, 76.2869 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 23.6876, 25.1910, 76.2869 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

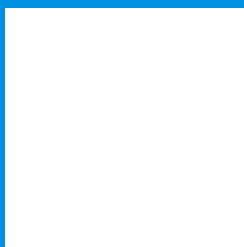
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6876, 25.1910, 76.2869

Background



This preview shows how black text looks on a background with the XYZ color 23.6876, 25.1910, 76.2869.



This preview shows how white text looks on a background with the XYZ color 23.6876, 25.1910,

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

23.6876, 25.1910, 76.2869

Protanopia

27.0202, 25.1077, 70.4400

Deuteranopia

25.9937, 25.2742, 76.9072

Trichromacy



Original Color

23.6876, 25.1910, 76.2869

Protanomaly

24.3772, 24.3235, 72.5173

Deuteranomaly

24.6006, 24.9860, 76.9250

Monochromacy



Original Color

23.6876, 25.1910, 76.2869

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.2351, 17.5211, 32.7159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6876, 25.1910, 76.2869 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, 143, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 227)  
}
```

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, 143, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 227) }
```

Border

The CSS property to change the border of an element to XYZ 23.6876, 25.1910, 76.2869 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, 143, 227) }
```

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

```
.border{ border-color:rgb(0, 143, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
227) }
```


Background

The CSS property to change the background color of an element to XYZ 23.6876, 25.1910, 76.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 227) }
```

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

```
.background{ background-color: rgb(0, 143,  
227) }
```

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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