

Converting Colors

XYZ(23.6350, 24.5800, 76.1455)

Have a look what the booklet for
XYZ(23.6350, 24.5800, 76.1455)
contains.

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Color

**XYZ(23.5966, 24.4844,
76.1553)**

Conversions

Conversions Part 1

Format	Color
Hex	178CE3
RGB	23, 140, 227
RGB Percent	9%, 55%, 89%
CMY	0.9097, 0.4510, 0.1098
CMYK	0.90, 0.38, 0.00, 0.11
HSL	206°, 82%, 49%
HSV	206°, 90%, 89%
XYZ	23.5966, 24.4844, 76.1553
YIQ	114.9350, -97.6590, 2.2530

Conversions

Conversions Part 2

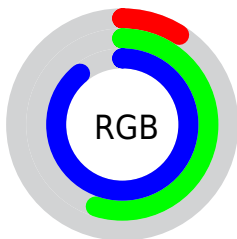
Format	Color
R_{YB}	23, 97, 227
Decimal	1543395
CIE _{Lab}	56.57, 1.45, -52.41
CIE _{LCh}	57, 52.432, 271.584
Yxy	24.4844, 0.1899, 0.1971
Android (android.graphics.Color)	4279733475 (0xFF178CE3)
YUV	114.9350, 55.2480, -80.6270
Hunter-Lab	49.4817, -1.4708, -56.6136

Details

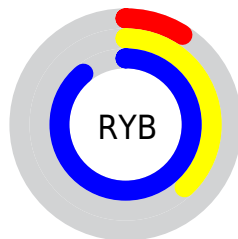
The XYZ color **23.5966, 24.4844, 76.1553** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **37.4133, 27.5521, 4.1586**, and the grayscale version is **16.1386, 16.9790, 18.4902**.

A 20% lighter version of the original color is **43.5504, 48.6749, 101.7076**, and **11.0918, 10.4224, 39.9552** is the 20% darker color. If you saturate the color by 10%, you get **21.8945, 21.5984, 75.6885**, and if you desaturate by 10%, it is **25.8359, 27.8326, 76.6841**.

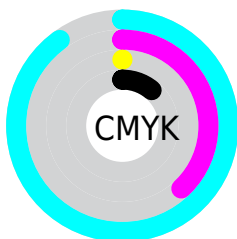
Distribution



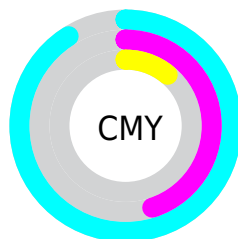
- Red (9%)
- Green (55%)
- Blue (89%)



- Red (9%)
- Yellow (38%)
- Blue (89%)



- Cyan (90%)
- Magenta (38%)
- Yellow (0%)
- Black (11%)



- Cyan (91%)
- Magenta (45%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5966, 24.4844, 76.1553 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 23.5966, 24.4844, 76.1553 by changing the saturation by 10% instead.

■ 23.5966, 24.4844,
76.1553

■ 23.5966, 24.4844,
76.1553

263.2531,
275.2604, 501.2401

■ 15.1578, 15.6933,
56.0524

■ 48.8306, 50.8195,
129.7085

■ 9.0172, 9.3074,
39.8407

■ 66.3564, 69.1324,
163.9959

■ 4.8096, 4.9422,
27.1015

■ 87.6420, 91.3879,
203.8486

■ 2.1696, 2.2134,
17.4164

■ 113.0527,
117.9706, 249.6852

■ 0.7266, 0.7273,
10.3667

■ 142.9538,
149.2648, 301.9240

■ 0.0000, 0.0000,
5.5340

177.7106,

■ 0.0000, 0.0000,

185.6549, 360.9838

2.4997

217.6886,
227.5253, 427.2830

■ 0.0000, 0.0000,
0.8400

■ 0.0000, 0.0000,
0.0000

■ 23.5966, 24.4844,
76.1553

■ 23.5966, 24.4844,
76.1553

■ 21.8945, 21.5984,
75.6885

■ 25.8359, 27.8326,
76.6841

■ 21.8713, 21.5583,
75.6820

■ 28.7407, 31.7130,
77.2800

■ 32.3898, 36.1710,
77.9481

■ 36.8493, 41.2448,
78.6924

■ 42.1772, 46.9685,
79.5164

■ 48.4258, 53.3729,
80.4233

■ 55.6429, 60.4868,
81.4160

■ 63.8731, 68.3368,
82.4974

■ 73.1576, 76.9479,
83.6702

Harmonies

Analogous

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



18.1351, 24.4844, 68.3353



23.5966, 24.4844, 76.1553



29.9546, 24.4844, 66.6151

Triad

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



23.5966, 24.4844, 76.1553



34.7321, 24.4844, 12.6767



14.4220, 24.4844, 13.6794

Complementary

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



23.5966, 24.4844, 76.1553



37.4133, 27.5521, 4.1586

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.



17.6649, 24.4844, 7.0879



23.5966, 24.4844, 76.1553



29.2967, 24.4844, 6.7118

Square

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



23.5966, 24.4844, 76.1553



37.0393, 24.4844, 25.7438



22.9498, 24.4844, 5.2314



13.4242, 24.4844, 27.5963

Rectangle

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



23.5966, 24.4844, 76.1553



33.6978, 24.4844, 53.3781



22.9498, 24.4844, 5.2314



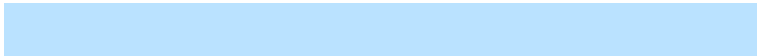
15.2541, 24.4844, 10.7860

Sweetspot

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



23.5976, 24.4852, 76.1559



65.4328, 71.8712, 105.0316



30.5312, 56.2043, 23.4323



13.3524, 14.7301, 22.3894



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.



23.5976, 24.4852, 76.1559



28.3648, 27.8497, 98.4883



14.9792, 7.2483, 73.2831



14.2656, 15.2526, 18.3365



12.8733, 12.8087, 44.1770



1.0430, 1.1299, 3.2951

Inverse Universe

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



36.7196, 18.8386, 26.5123



46.4464, 23.3426, 29.3468



54.8812, 62.4879, 9.9812



14.7217, 14.5058, 16.7346



20.8914, 10.4908, 13.5888



1.5901, 0.7937, 1.2479

Previews

White Background



This preview shows how the XYZ color 23.5966, 24.4844, 76.1553 looks on a white background.

Color Contrast Check

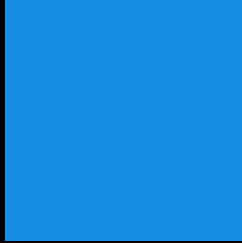
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5966, 24.4844, 76.1553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

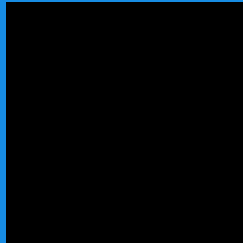
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

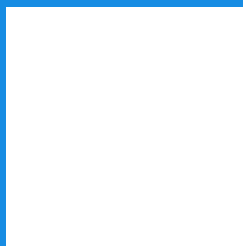
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5966, 24.4844, 76.1553

Background



This preview shows how black text looks on a background with the XYZ color 23.5966, 24.4844, 76.1553.



This preview shows how white text looks on a background with the XYZ color 23.5966, 24.4844,

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

23.5966, 24.4844, 76.1553

Protanopia

26.2930, 24.3263, 70.3275

Deuteranopia

25.1916, 24.4387, 76.7882



Tritanopia

17.3394, 24.3859, 37.5113

Trichromacy



Original Color

23.5966, 24.4844, 76.1553

Protanomaly

24.5213, 23.9796, 72.4434

Deuteranomaly

24.3654, 24.2228, 76.7901

Tritanomaly

19.1360, 24.1122, 49.5445

Monochromacy



Original Color

23.5966, 24.4844, 76.1553

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.6881, 18.6094, 34.1649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5966, 24.4844, 76.1553 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(23, 140, 227)` looks like.

```
.text, #text, p{  
    color:rgb(23, 140, 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(23, 140, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 140, 227) }
```

Border

The CSS property to change the border of an element to XYZ 23.5966, 24.4844, 76.1553 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(23, 140, 227) }
```


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

```
.border{ border-color:rgb(23, 140, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 140, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 140, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 140, 227);  
box-shadow:4px 4px 4px 4px rgb(23, 140,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5966, 24.4844, 76.1553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 140, 227) }
```

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

```
.background{ background-color: rgb(23, 140,  
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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