

Converting Colors

XYZ(18.2393, 20.7665, 81.0320)

Have a look what the booklet for
XYZ(18.2393, 20.7665, 81.0320)
contains.

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Color

**XYZ(23.6554, 23.5488,
81.1405)**

Conversions

Conversions Part 1

Format	Color
Hex	0088EA
RGB	0, 136, 234
RGB Percent	0%, 53%, 92%
CMY	0.9998, 0.4667, 0.0824
CMYK	1.00, 0.42, 0.00, 0.08
HSL	205°, 100%, 46%
HSV	205°, 100%, 92%
XYZ	23.6554, 23.5488, 81.1405
YIQ	106.5080, -112.5140, 1.6460

Conversions

Conversions Part 2

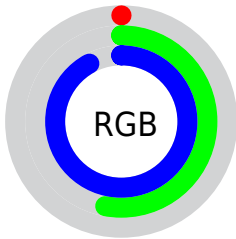
Format	Color
R _{YB}	0, 86, 234
Decimal	35050
CIE Lab	55.63, 5.75, -57.82
CIE LCh	56, 58.104, 275.675
Yxy	23.5488, 0.1843, 0.1835
Android (android.graphics.Color)	4278225130 (0xFF0088EA)
YUV	106.5080, 62.8536, -93.4075
Hunter-Lab	48.5271, 2.0906, -65.1678

Details

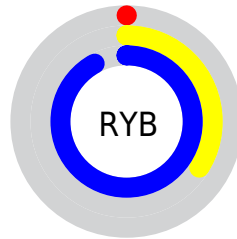
The XYZ color **23.6554, 23.5488, 81.1405** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **38.3055, 26.2393, 3.0475**, and the grayscale version is **13.6990, 14.4124, 15.6951**.

A 20% lighter version of the original color is **42.3110, 46.7410, 101.3996**, and **11.4441, 10.0307, 43.4524** is the 20% darker color. If you saturate the color by 10%, you get **23.6521, 23.5420, 81.1399**, and if you desaturate by 10%, it is **25.4640, 26.6254, 81.6396**.

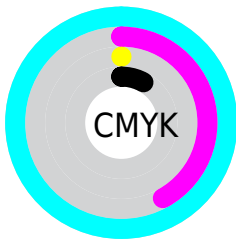
Distribution



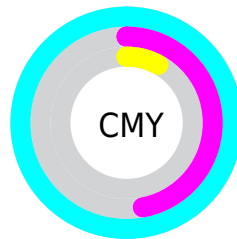
- Red (0%)
- Green (53%)
- Blue (92%)



- Red (0%)
- Yellow (34%)
- Blue (92%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (47%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6554, 23.5488, 81.1405 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 23.6554, 23.5488, 81.1405 by changing the saturation by 10% instead.

■ 23.6554, 23.5488,
81.1405

■ 23.6554, 23.5488,
81.1405

263.5466,
270.5314, 518.5759

■ 15.2015, 14.9993,
60.1256

■ 48.9261, 49.2929,
136.7939

■ 9.0482, 8.8189,
43.0940

■ 66.4736, 67.2562,
172.2695

■ 4.8300, 4.6232,
29.6269

■ 87.7830, 89.1263,
213.4024

■ 2.1816, 2.0279,
19.3059

■ 113.2197,
115.2875, 260.6112

■ 0.7330, 0.6236,
11.7125

■ 143.1491,
146.1242, 314.3144

■ 0.0000, 0.0000,
6.4281

177.9364,

■ 0.0000, 0.0000,

182.0208, 374.9306

3.0341

217.9472,
223.3617, 442.8782

■ 0.0000, 0.0000,
1.1121

■ 0.0000, 0.0000,
0.0000

■ 23.6554, 23.5488,
81.1405

■ 23.6554, 23.5488,
81.1405

■ 23.6521, 23.5420,
81.1399

■ 25.4640, 26.6254,
81.6396

■ 27.8397, 30.1864,
82.2017

■ 30.9249, 34.3102,
82.8351

■ 34.8038, 39.0444,
83.5444

■ 39.5474, 44.4301,
84.3340

■ 45.2182, 50.5038,
85.2074

■ 51.8726, 57.2985,
86.1682

■ 59.5619, 64.8447,
87.2195

■ 68.3340, 73.1708,
88.3642

Harmonies

Analogous

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



17.5706, 23.5488, 74.7725



23.6554, 23.5488, 81.1405



30.5899, 23.5488, 67.7032

Triad

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



23.6554, 23.5488, 81.1405



34.2960, 23.5488, 9.7968



12.7298, 23.5488, 13.4365

Complementary

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



23.6554, 23.5488, 81.1405



38.3055, 26.2393, 3.0475

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.



15.7924, 23.5488, 6.0471



23.6554, 23.5488, 81.1405



28.0011, 23.5488, 4.7813

Square

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



23.6554, 23.5488, 81.1405



37.4579, 23.5488, 22.2259



21.1560, 23.5488, 3.8575



12.0161, 23.5488, 29.3884

Rectangle

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



23.6554, 23.5488, 81.1405



34.5236, 23.5488, 51.9384



21.1560, 23.5488, 3.8575



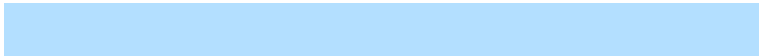
13.4848, 23.5488, 10.1694

Sweetspot

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



23.6564, 23.5495, 81.1411



62.9003, 69.4947, 104.7064



31.6065, 59.7195, 21.3018



12.6997, 14.1039, 22.3029



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.



23.6564, 23.5495, 81.1411



28.6679, 28.4557, 98.5893



15.0945, 6.4257, 78.2872



14.9583, 16.0031, 19.2228



13.4183, 13.4835, 45.6383



1.1484, 1.2483, 3.6153

Inverse Universe

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



38.3766, 19.2714, 24.9899



46.5994, 23.4038, 30.1523



58.1070, 65.8422, 9.6480



15.4325, 15.2009, 17.5629



21.6282, 10.8540, 14.3754



1.7462, 0.8714, 1.3806

Previews

White Background



This preview shows how the XYZ color 23.6554, 23.5488, 81.1405 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 23.6554, 23.5488, 81.1405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

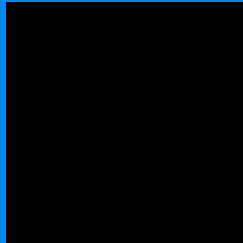
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6554, 23.5488, 81.1405

Background



This preview shows how black text looks on a background with the XYZ color 23.6554, 23.5488, 81.1405.



This preview shows how white text looks on a background with the XYZ color 23.6554, 23.5488,

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

23.6554, 23.5488, 81.1405

Protanopia

25.9318, 23.4202, 75.8268

Deuteranopia

24.4297, 23.7399, 81.1366



Tritanopia

16.5195, 23.3018, 35.5253

Trichromacy



Original Color

23.6554, 23.5488, 81.1405

Protanomaly

24.2215, 23.0856, 78.0423

Deuteranomaly

23.9413, 23.4881, 81.1137

Tritanomaly

18.5794, 23.1477, 49.3877

Monochromacy



Original Color

23.6554, 23.5488, 81.1405

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.6121, 16.4857, 32.5489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6554, 23.5488, 81.1405 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, 136, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 234)  
}
```

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, 136, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 234) }
```

Border

The CSS property to change the border of an element to XYZ 23.6554, 23.5488, 81.1405 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, 136, 234) }
```


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

```
.border{ border-color:rgb(0, 136, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6554, 23.5488, 81.1405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 234) }
```

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

```
.background{ background-color: rgb(0, 136,  
234) }
```

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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