

Converting Colors

XYZ(7.7478, 15.3617, 82.0637)

Have a look what the booklet for
XYZ(7.7478, 15.3617, 82.0637)
contains.

XYZ(23.9445, 23.6644, 82.6626)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.9445, 23.6644,
82.6626)**

Conversions

Conversions Part 1

Format	Color
Hex	0088EC
RGB	0, 136, 236
RGB Percent	0%, 53%, 93%
CMY	0.9997, 0.4667, 0.0745
CMYK	1.00, 0.42, 0.00, 0.07
HSL	205°, 100%, 46%
HSV	205°, 100%, 93%
XYZ	23.9445, 23.6644, 82.6626
YIQ	106.7360, -113.1560, 2.2680

Conversions

Conversions Part 2

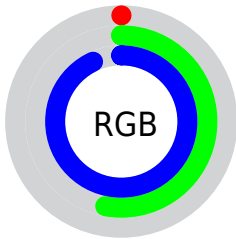
Format	Color
R _{YB}	0, 86, 236
Decimal	35052
CIE Lab	55.75, 6.52, -58.74
CIE LCh	56, 59.104, 276.331
Yxy	23.6644, 0.1838, 0.1817
Android (android.graphics.Color)	4278225132 (0xFF0088EC)
YUV	106.7360, 63.7272, -93.6075
Hunter-Lab	48.6461, 2.7304, -66.6972

Details

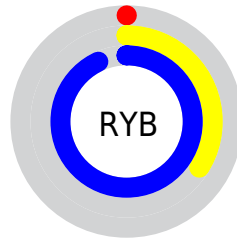
The XYZ color **23.9445, 23.6644, 82.6626** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **39.1564, 26.9606, 3.1421**, and the grayscale version is **13.7600, 14.4766, 15.7650**.

A 20% lighter version of the original color is **42.3110, 46.7410, 101.3996**, and **11.5449, 10.0711, 43.9833** is the 20% darker color. If you saturate the color by 10%, you get **23.9406, 23.6566, 82.6618**, and if you desaturate by 10%, it is **25.7887, 26.8052, 83.1722**.

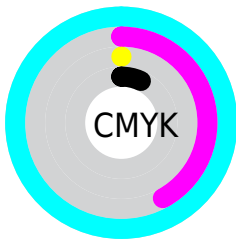
Distribution



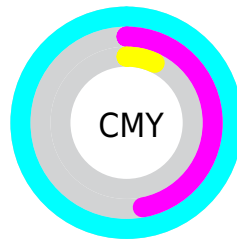
- Red (0%)
- Green (53%)
- Blue (93%)



- Red (0%)
- Yellow (34%)
- Blue (93%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (47%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9445, 23.6644, 82.6626 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 23.9445, 23.6644, 82.6626 by changing the saturation by 10% instead.

■ 23.9445, 23.6644,
82.6626

■ 23.9445, 23.6644,
82.6626

264.9855,
271.1194, 523.8029

■ 15.4170, 15.0849,
61.3729

■ 49.3950, 49.4820,
138.9478

■ 9.2008, 8.8790,
44.0936

■ 67.0486, 67.4888,
174.7804

■ 4.9305, 4.6623,
30.4064

■ 88.4750, 89.4069,
216.2976

■ 2.2409, 2.0505,
19.8926

■ 114.0394,
115.6206, 263.9180

■ 0.7642, 0.6366,
12.1337

■ 144.1074,
146.5143, 318.0603

■ 0.0000, 0.0000,
6.7111

179.0441,

■ 0.0000, 0.0000,

182.4724, 379.1428

3.2064

219.2150,
223.8793, 447.5841

■ 0.0000, 0.0000,
1.2010

■ 0.0000, 0.0000,
0.0000

■ 23.9445, 23.6644,
82.6626

■ 23.9445, 23.6644,
82.6626

■ 23.9406, 23.6566,
82.6618

■ 25.7887, 26.8052,
83.1722

■ 28.2147, 30.4460,
83.7471

■ 31.3672, 34.6666,
84.3956

■ 35.3324, 39.5161,
85.1226

■ 40.1830, 45.0367,
85.9326

■ 45.9829, 51.2656,
86.8292

■ 52.7897, 58.2370,
87.8160

■ 60.6560, 65.9821,
88.8964

■ 69.6307, 74.5302,
90.0733

Harmonies

Analogous

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



17.7024, 23.6644, 76.5519



23.9445, 23.6644, 82.6626



31.0299, 23.6644, 68.4400

Triad

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



23.9445, 23.6644, 82.6626



34.5626, 23.6644, 9.4953



12.6282, 23.6644, 13.6021

Complementary

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



23.9445, 23.6644, 82.6626



39.1564, 26.9606, 3.1421

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.



15.6847, 23.6644, 5.9965



23.9445, 23.6644, 82.6626



28.0766, 23.6644, 4.5838

Square

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



23.9445, 23.6644, 82.6626



37.8978, 23.6644, 21.9047



21.1000, 23.6644, 3.7315



11.9558, 23.6644, 30.0574

Rectangle

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



23.9445, 23.6644, 82.6626



35.0222, 23.6644, 52.1434



21.1000, 23.6644, 3.7315



13.3765, 23.6644, 10.2362

Sweetspot

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



23.9455, 23.6651, 82.6632



62.7994, 69.2930, 104.6727



32.2188, 60.8807, 21.7009



12.6758, 14.0560, 22.2949



0.0000, 0.0000, 0.0000



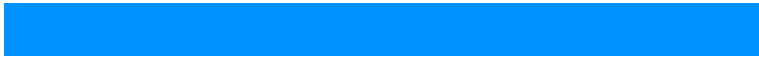
20.3446, 21.4041, 23.3091

Same Dimension

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



23.9455, 23.6651, 82.6632



28.4710, 28.0620, 98.5237



15.3867, 6.5474, 79.8103



14.9519, 15.9902, 19.2206



13.3274, 13.3018, 45.6080



1.1415, 1.2344, 3.6130

Inverse Universe

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



39.0370, 19.6121, 25.0208



46.5000, 23.3640, 29.6290



59.2357, 67.1191, 9.8352



15.4293, 15.1996, 17.5458



21.5824, 10.8356, 14.1339



1.7427, 0.8700, 1.3623

Previews

White Background



This preview shows how the XYZ color 23.9445, 23.6644, 82.6626 looks on a white background.

Color Contrast Check

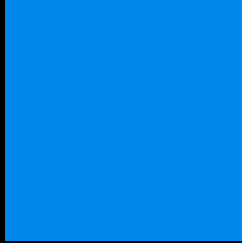
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9445, 23.6644, 82.6626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

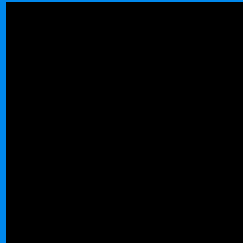
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9445, 23.6644, 82.6626

Background



This preview shows how black text looks on a background with the XYZ color 23.9445, 23.6644, 82.6626.



This preview shows how white text looks on a background with the XYZ color 23.9445, 23.6644,

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

23.9445, 23.6644, 82.6626

Protanopia

26.2901, 23.7531, 78.0621

Deuteranopia

24.5318, 23.7591, 82.6499



Tritanopia

16.7615, 23.6484, 36.0289

Trichromacy



Original Color

23.9445, 23.6644, 82.6626

Protanomaly

24.4476, 23.1695, 79.5276

Deuteranomaly

24.1576, 23.5662, 82.6324

Tritanomaly

18.8362, 23.4917, 49.9960

Monochromacy



Original Color

23.9445, 23.6644, 82.6626

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.6951, 16.5189, 32.9858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9445, 23.6644, 82.6626 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 236) }
```

Border

The CSS property to change the border of an element to XYZ 23.9445, 23.6644, 82.6626 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, 236) }
```


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

```
.border{ border-color:rgb(0, 136, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9445, 23.6644, 82.6626 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, 236) }
```

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

```
.background{ background-color: rgb(0, 136,  
236) }
```

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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