

Converting Colors

XYZ(3.4496, 13.2812, 75.3631)

Have a look what the booklet for
XYZ(3.4496, 13.2812, 75.3631)
contains.

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Color

**XYZ(22.6693, 23.1544,
75.9475)**

Conversions

Conversions Part 1

Format	Color
Hex	0088E3
RGB	0, 136, 227
RGB Percent	0%, 53%, 89%
CMY	0.9998, 0.4667, 0.1098
CMYK	1.00, 0.40, 0.00, 0.11
HSL	204°, 100%, 45%
HSV	204°, 100%, 89%
XYZ	22.6693, 23.1544, 75.9475
YIQ	105.7100, -110.2670, -0.5310

Conversions

Conversions Part 2

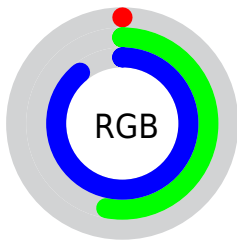
Format	Color
R _{YB}	0, 85, 227
Decimal	35043
CIE Lab	55.23, 3.05, -54.56
CIE LCh	55, 54.643, 273.197
Yxy	23.1544, 0.1862, 0.1901
Android (android.graphics.Color)	4278225123 (0xFF0088E3)
YUV	105.7100, 59.7960, -92.7077
Hunter-Lab	48.1190, -0.1153, -59.8956

Details

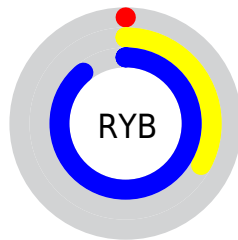
The XYZ color **22.6693, 23.1544, 75.9475** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **35.4251, 23.8232, 2.7329**, and the grayscale version is **13.4889, 14.1914, 15.4544**.

A 20% lighter version of the original color is **42.0733, 46.6184, 101.3885**, and **10.7589, 9.7567, 39.8442** is the 20% darker color. If you saturate the color by 10%, you get **22.6663, 23.1481, 75.9470**, and if you desaturate by 10%, it is **24.3543, 26.0078, 76.4100**.

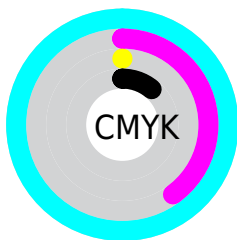
Distribution



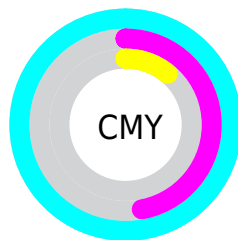
- Red (0%)
- Green (53%)
- Blue (89%)



- Red (0%)
- Yellow (33%)
- Blue (89%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (47%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6693, 23.1544, 75.9475 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 22.6693, 23.1544, 75.9475 by changing the saturation by 10% instead.

■ 22.6693, 23.1544,
75.9475

■ 22.6693, 23.1544,
75.9475

258.5891,
268.5170, 500.5100

■ 14.4689, 14.7076,
55.8831

■ 47.3204, 48.6467,
129.4121

■ 8.5314, 8.6144,
39.7058

■ 64.5018, 66.4610,
163.6493

■ 4.4914, 4.4905,
26.9972

■ 85.4075, 88.1665,
203.4479

■ 1.9837, 1.9516,
17.3387

■ 110.4030,
114.1477, 249.2264

■ 0.6248, 0.5791,
10.3118

■ 139.8535,
144.7890, 301.4033

■ 0.0000, 0.0000,
5.4979

174.1245,

■ 0.0000, 0.0000,

180.4747, 360.3972

2.4784

213.5812,
221.5892, 426.6266

■ 0.0000, 0.0000,
0.8287

■ 0.0000, 0.0000,
0.0000

■ 22.6693, 23.1544,
75.9475

■ 22.6693, 23.1544,
75.9475

■ 22.6663, 23.1481,
75.9470

■ 24.3543, 26.0078,
76.4100

■ 26.5573, 29.2936,
76.9281

■ 29.4121, 33.0846,
77.5094

■ 32.9964, 37.4245,
78.1581

■ 37.3757, 42.3506,
78.8782

■ 42.6076, 47.8959,
79.6728

■ 48.7440, 54.0905,
80.5450

■ 55.8323, 60.9621,
81.4978

■ 63.9167, 68.5365,
82.5337

Harmonies

Analogous

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



17.1228, 23.1544, 68.7550



22.6693, 23.1544, 75.9475



29.0883, 23.1544, 65.1568

Triad

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



22.6693, 23.1544, 75.9475



33.3772, 23.1544, 10.9103



13.0975, 23.1544, 12.8774

Complementary

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



22.6693, 23.1544, 75.9475



35.4251, 23.8232, 2.7329

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.



16.1807, 23.1544, 6.2346



22.6693, 23.1544, 75.9475



27.7427, 23.1544, 5.5241

Square

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



22.6693, 23.1544, 75.9475



35.9478, 23.1544, 23.3809



21.3588, 23.1544, 4.3276



12.2368, 23.1544, 27.1346

Rectangle

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



22.6693, 23.1544, 75.9475



32.8204, 23.1544, 51.2222



21.3588, 23.1544, 4.3276



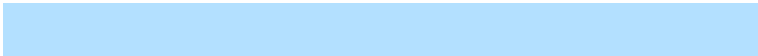
13.8762, 23.1544, 9.9474

Sweetspot

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



22.6703, 23.1551, 75.9481



63.2681, 70.2304, 104.8290



29.3512, 55.6914, 19.0629



12.7872, 14.2789, 22.3321



0.0000, 0.0000, 0.0000



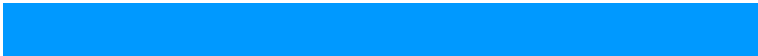
20.3446, 21.4041, 23.3091

Same Dimension

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



22.6703, 23.1551, 75.9481



29.4003, 29.9207, 98.8334



14.1675, 6.1495, 73.1138



14.2973, 15.3159, 18.3470



13.3361, 13.7342, 44.3313



1.0759, 1.1956, 3.3060

Inverse Universe

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



36.1234, 18.1099, 24.8846



46.9691, 23.5516, 32.0991



53.3449, 59.6627, 8.7062



14.7376, 14.5122, 16.8187



21.1249, 10.5842, 14.8188



1.6067, 0.8004, 1.3353

Previews

White Background



This preview shows how the XYZ color 22.6693, 23.1544, 75.9475 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 22.6693, 23.1544, 75.9475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

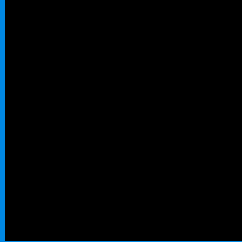
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.6693, 23.1544, 75.9475

Background



This preview shows how black text looks on a background with the XYZ color 22.6693, 23.1544, 75.9475.



This preview shows how white text looks on a background with the XYZ color 22.6693, 23.1544,

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

22.6693, 23.1544, 75.9475

Protanopia

25.3846, 23.2475, 70.8594

Deuteranopia

24.0220, 23.2172, 76.6141



Tritanopia

16.2796, 22.9581, 35.0258

Trichromacy



Original Color

22.6693, 23.1544, 75.9475

Protanomaly

23.4340, 22.7909, 72.9760

Deuteranomaly

23.2562, 23.0267, 76.6176

Tritanomaly

18.1165, 22.7234, 47.6872

Monochromacy



Original Color

22.6693, 23.1544, 75.9475

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.1810, 16.1179, 31.2178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6693, 23.1544, 75.9475 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 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, 136, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 227) }
```

Border

The CSS property to change the border of an element to XYZ 22.6693, 23.1544, 75.9475 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, 227) }
```


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

```
.border{ border-color:rgb(0, 136, 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, 136, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6693, 23.1544, 75.9475 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, 227) }
```

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

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