

Converting Colors

XYZ(6.7307, 17.5017, 65.6393)

Have a look what the booklet for
XYZ(6.7307, 17.5017, 65.6393)
contains.

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Color

**XYZ(22.3174, 25.6209,
66.0564)**

Conversions

Conversions Part 1

Format	Color
Hex	0093D4
RGB	0, 147, 212
RGB Percent	0%, 58%, 83%
CMY	0.9998, 0.4235, 0.1686
CMYK	1.00, 0.31, 0.00, 0.17
HSL	198°, 100%, 42%
HSV	198°, 100%, 83%
XYZ	22.3174, 25.6209, 66.0564
YIQ	110.4570, -108.4770, -10.9490

Conversions

Conversions Part 2

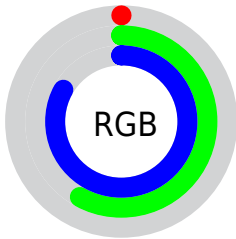
Format	Color
R _{YB}	0, 87, 212
Decimal	37844
CIE _{Lab}	57.68, -9.10, -42.28
CIE _{LCh}	58, 43.252, 257.851
Yxy	25.6209, 0.1958, 0.2248
Android (android.graphics.Color)	4278227924 (0xFF0093D4)
YUV	110.4570, 50.0607, -96.8708
Hunter-Lab	50.6171, -9.8781, -41.9428

Details

The XYZ color **22.3174, 25.6209, 66.0564** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **29.0452, 17.7838, 1.9033**, and the grayscale version is **14.8400, 15.6128, 17.0023**.

A 20% lighter version of the original color is **44.3035, 51.7600, 102.2634**, and **10.3605, 10.9837, 33.4723** is the 20% darker color. If you saturate the color by 10%, you get **22.3152, 25.6164, 66.0562**, and if you desaturate by 10%, it is **23.6721, 27.8632, 66.4184**.

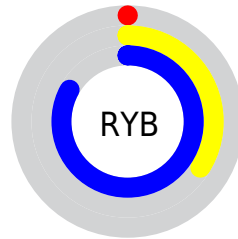
Distribution



Red (0%)

Green (58%)

Blue (83%)



Red (0%)

Yellow (34%)

Blue (83%)

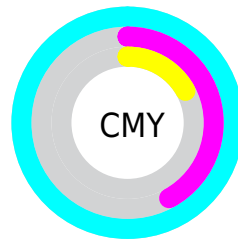


Cyan (100%)

Magenta (31%)

Yellow (0%)

Black (17%)



Cyan (100%)

Magenta (42%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3174, 25.6209, 66.0564 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 22.3174, 25.6209, 66.0564 by changing the saturation by 10% instead.

■ 22.3174, 25.6209,
66.0564

■ 22.3174, 25.6209,
66.0564

256.8007,
280.9161, 464.9883

■ 14.2082, 16.5402,
47.8614

■ 46.7450, 52.6627,
115.1951

■ 8.3483, 9.9072,
33.3579

■ 63.7941, 71.3927,
146.9758

■ 4.3723, 5.3375,
22.1274

■ 84.5539, 94.1079,
184.1222

■ 1.9148, 2.4466,
13.7514

■ 109.3898,
121.1927, 227.0529

■ 0.5854, 0.8497,
7.8112

■ 138.6670,
153.0315, 276.1862

■ 0.0000, 0.0000,
3.8883

172.7510,

■ 0.0000, 0.0000,

190.0088, 331.9409

1.5643

212.0071,
232.5089, 394.7354

■ 0.0000, 0.0000,
0.2651

■ 0.0000, 0.0000,
0.0000

■ 22.3174, 25.6209,
66.0564

■ 22.3174, 25.6209,
66.0564

■ 22.3152, 25.6164,
66.0562

■ 23.6721, 27.8632,
66.4184

■ 25.4288, 30.3985,
66.8151

■ 27.7040, 33.2887,
67.2531

■ 30.5618, 36.5680,
67.7354

■ 34.0563, 40.2656,
68.2650

■ 38.2351, 44.4073,
68.8441

■ 43.1410, 49.0164,
69.4752

■ 48.8131, 54.1142,
70.1602

■ 55.2876, 59.7205,
70.9011

Harmonies

Analogous

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



18.2666, 25.6209, 54.8061



22.3174, 25.6209, 66.0564



27.5312, 25.6209, 64.7614

Triad

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



22.3174, 25.6209, 66.0564



35.1037, 25.6209, 20.0414



17.6948, 25.6209, 12.8109

Complementary

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



22.3174, 25.6209, 66.0564



29.0452, 17.7838, 1.9033

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.



21.4273, 25.6209, 8.6140



22.3174, 25.6209, 66.0564



31.6577, 25.6209, 11.6543

Square

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



22.3174, 25.6209, 66.0564



35.4316, 25.6209, 34.3337



26.5064, 25.6209, 8.2831



15.8624, 25.6209, 22.3194

Rectangle

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



22.3174, 25.6209, 66.0564



30.9818, 25.6209, 56.9888



26.5064, 25.6209, 8.2831



18.7425, 25.6209, 10.9035

Sweetspot

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



22.3184, 25.6217, 66.0571



65.2521, 74.1984, 105.4903



24.4595, 47.4537, 12.6669



13.2609, 15.2263, 22.4900



0.0000, 0.0000, 0.0000



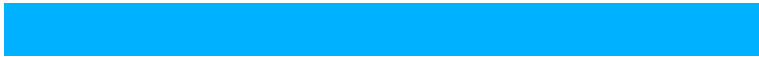
20.3446, 21.4041, 23.3091

Same Dimension

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



22.3184, 25.6217, 66.0571



33.7322, 38.5844, 100.2774



12.7282, 6.4413, 62.8603



12.4559, 13.4352, 15.8743



13.8685, 15.9987, 40.8103



0.9082, 1.1084, 2.4854

Inverse Universe

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



32.4187, 16.1049, 29.0043



49.1557, 24.4263, 43.6133



41.4538, 42.6012, 6.0395



12.7833, 12.5648, 14.7991



20.0590, 9.9599, 18.1467



1.2461, 0.6152, 1.2851

Previews

White Background



This preview shows how the XYZ color 22.3174, 25.6209, 66.0564 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 22.3174, 25.6209, 66.0564 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 22.3174, 25.6209, 66.0564

Background



This preview shows how black text looks on a background with the XYZ color 22.3174, 25.6209, 66.0564.

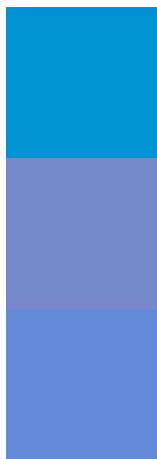


This preview shows how white text looks on a background with the XYZ color 22.3174, 25.6209,

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

22.3174, 25.6209, 66.0564

Protanopia

26.6673, 25.5856, 59.4101

Deuteranopia

26.2631, 25.6287, 67.1809



Tritanopia

18.1828, 25.4991, 39.5608

Trichromacy



Original Color

22.3174, 25.6209, 66.0564

Protanomaly

23.3427, 24.6682, 61.9237

Deuteranomaly

23.5217, 24.8780, 66.5130

Tritanomaly

19.5101, 25.5106, 48.1517

Monochromacy



Original Color

22.3174, 25.6209, 66.0564

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.8752, 17.5746, 30.2120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3174, 25.6209, 66.0564 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, 147, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 212)  
}
```

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, 147, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 212) }
```

Border

The CSS property to change the border of an element to XYZ 22.3174, 25.6209, 66.0564 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, 147, 212) }
```


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

```
.border{ border-color:rgb(0, 147, 212) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3174, 25.6209, 66.0564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 212) }
```

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

```
.background{ background-color: rgb(0, 147,  
212) }
```

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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