

Converting Colors

XYZ(22.6212, 24.4648, 70.5468)

Have a look what the booklet for
XYZ(22.6212, 24.4648, 70.5468)
contains.

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Color

**XYZ(22.6729, 24.5706,
70.5655)**

Conversions

Conversions Part 1

Format	Color
Hex	108EDB
RGB	16, 142, 219
RGB Percent	6%, 56%, 86%
CMY	0.9371, 0.4431, 0.1412
CMYK	0.93, 0.35, 0.00, 0.14
HSL	203°, 86%, 46%
HSV	203°, 93%, 86%
XYZ	22.6729, 24.5706, 70.5655
YIQ	113.1040, -99.8130, -2.7650

Conversions

Conversions Part 2

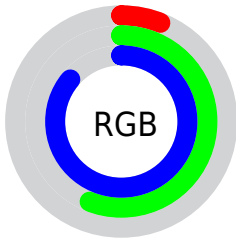
Format	Color
R _Y B	16, 94, 219
Decimal	1085147
CIE Lab	56.65, -3.07, -47.81
CIE LCh	57, 47.910, 266.323
Yxy	24.5706, 0.1925, 0.2086
Android (android.graphics.Color)	4279275227 (0xFF108EDB)
YUV	113.1040, 52.2067, -85.1602
Hunter-Lab	49.5687, -5.0988, -49.7065

Details

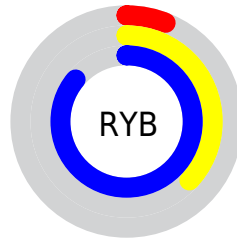
The XYZ color **22.6729, 24.5706, 70.5655** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **33.2256, 22.9339, 3.1674**, and the grayscale version is **15.6021, 16.4146, 17.8755**.

A 20% lighter version of the original color is **43.5090, 49.3144, 101.8332**, and **10.4380, 10.2986, 36.0880** is the 20% darker color. If you saturate the color by 10%, you get **21.5785, 22.6988, 70.2624**, and if you desaturate by 10%, it is **24.5393, 27.4372, 71.0210**.

Distribution



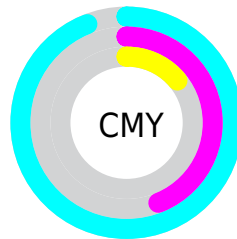
- Red (6%)
- Green (56%)
- Blue (86%)



- Red (6%)
- Yellow (37%)
- Blue (86%)



- Cyan (93%)
- Magenta (35%)
- Yellow (0%)
- Black (14%)



- Cyan (94%)
- Magenta (44%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6729, 24.5706, 70.5655 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 22.6729, 24.5706, 70.5655 by changing the saturation by 10% instead.

■ 22.6729, 24.5706,
70.5655

■ 22.6729, 24.5706,
70.5655

258.6073,
275.6927, 481.3758

■ 14.4715, 15.7574,
51.5080

■ 47.3263, 50.9597,
121.7035

■ 8.5332, 9.3527,
36.2336

■ 64.5090, 69.3045,
154.6211

■ 4.4927, 4.9719,
24.3235

■ 85.4162, 91.5953,
192.9959

■ 1.9844, 2.2308,
15.3594

■ 110.4133,
118.2164, 237.2464

■ 0.6252, 0.7367,
8.9226

■ 139.8656,
149.5523, 287.7910

■ 0.0000, 0.0000,
4.5946

174.1385,

■ 0.0000, 0.0000,

185.9874, 345.0485

1.9569

213.5972,
227.9061, 409.4372

■ 0.0000, 0.0000,
0.5286

■ 0.0000, 0.0000,
0.0000

■ 22.6729, 24.5706,
70.5655

■ 22.6729, 24.5706,
70.5655

■ 21.5785, 22.6988,
70.2624

■ 24.5393, 27.4372,
71.0210

■ 26.9729, 30.7355,
71.5294

■ 30.0490, 34.5075,
72.0953

■ 33.8297, 38.7880,
72.7222

■ 38.3692, 43.6074,
73.4132

■ 43.7158, 48.9932,
74.1710

■ 49.9139, 54.9709,
74.9981

■ 57.0040, 61.5637,
75.8970

■ 65.0243, 68.7937,
76.8698

Harmonies

Analogous

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



17.9001, 24.5706, 61.2905



22.6729, 24.5706, 70.5655



28.4361, 24.5706, 64.7760

Triad

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



22.6729, 24.5706, 70.5655



34.3380, 24.5706, 15.3196



15.5215, 24.5706, 13.0864

Complementary

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



22.6729, 24.5706, 70.5655



33.2256, 22.9339, 3.1674

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.



18.9160, 24.5706, 7.5938



22.6729, 24.5706, 70.5655



29.8155, 24.5706, 8.4763

Square

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



22.6729, 24.5706, 70.5655



35.7659, 24.5706, 28.7707



24.0478, 24.5706, 6.3245



14.2073, 24.5706, 24.8323

Rectangle

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



22.6729, 24.5706, 70.5655



31.9948, 24.5706, 54.0440



24.0478, 24.5706, 6.3245



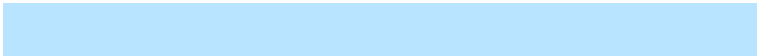
16.4278, 24.5706, 10.6607

Sweetspot

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



22.6739, 24.5714, 70.5661



65.4406, 72.7993, 105.2103



27.4113, 51.5201, 18.2756



13.2233, 14.8177, 22.4131



0.0000, 0.0000, 0.0000



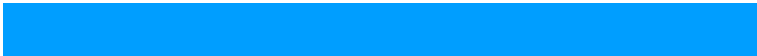
20.3446, 21.4041, 23.3091

Same Dimension

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



22.6739, 24.5714, 70.5661



30.3206, 31.7612, 99.1402



13.8684, 6.9604, 67.6310



13.0083, 13.9564, 16.6604



12.9036, 13.6766, 41.6982



0.9180, 1.0502, 2.7288

Inverse Universe

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



34.2822, 17.3851, 27.1404



47.4336, 23.7375, 34.5453



48.1439, 52.7706, 8.1402



13.3941, 13.1867, 15.3364



20.0085, 10.0044, 14.9564



1.3377, 0.6647, 1.1872

Previews

White Background



This preview shows how the XYZ color 22.6729, 24.5706, 70.5655 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 22.6729, 24.5706, 70.5655 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

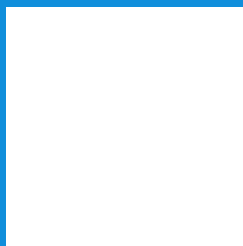
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6729, 24.5706, 70.5655

Background



This preview shows how black text looks on a background with the XYZ color 22.6729, 24.5706, 70.5655.

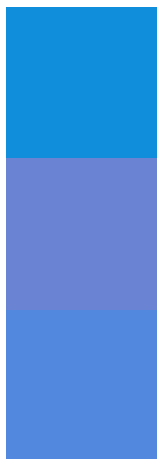


This preview shows how white text looks on a background with the XYZ color 22.6729, 24.5706,

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

22.6729, 24.5706, 70.5655

Protanopia

25.9530, 24.2698, 64.9447

Deuteranopia

25.3350, 24.6226, 71.8240



Tritanopia

17.3394, 24.3859, 37.5113

Trichromacy



Original Color

22.6729, 24.5706, 70.5655

Protanomaly

23.6894, 23.8798, 66.9790

Deuteranomaly

23.7517, 24.2438, 71.1378

Tritanomaly

18.9523, 24.2836, 47.9443

Monochromacy



Original Color

22.6729, 24.5706, 70.5655

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.0170, 18.3020, 32.3942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6729, 24.5706, 70.5655 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(16, 142, 219)` looks like.

```
.text, #text, p{  
    color:rgb(16, 142, 219)  
}
```

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(16, 142, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 142, 219) }
```

Border

The CSS property to change the border of an element to XYZ 22.6729, 24.5706, 70.5655 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(16, 142, 219) }
```


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

```
.border{ border-color:rgb(16, 142, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 142, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 142, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 142, 219);  
box-shadow:4px 4px 4px 4px rgb(16, 142,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6729, 24.5706, 70.5655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 142, 219) }
```

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

```
.background{ background-color: rgb(16, 142,  
219) }
```

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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