

Converting Colors

XYZ(22.6485, 30.0731, 54.4821)

Have a look what the booklet for
XYZ(22.6485, 30.0731, 54.4821)
contains.

XYZ(22.6116, 30.0002, 54.4680)	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(22.6116, 30.0002,
54.4680)**

Conversions

Conversions Part 1

Format	Color
Hex	00A3C0
RGB	0, 163, 192
RGB Percent	0%, 64%, 75%
CMY	0.9999, 0.3608, 0.2471
CMYK	1.00, 0.15, 0.00, 0.25
HSL	189°, 100%, 38%
HSV	189°, 100%, 75%
XYZ	22.6116, 30.0002, 54.4680
YIQ	117.5690, -106.4570, -25.5370

Conversions

Conversions Part 2

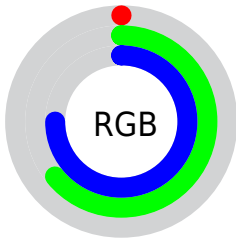
Format	Color
RYB	0, 88, 192
Decimal	41920
CIELab	61.65, -24.90, -24.88
CIELCh	62, 35.201, 224.972
Yxy	30.0002, 0.2112, 0.2802
Android (android.graphics.Color)	4278232000 (0xFF00A3C0)
YUV	117.5690, 36.6945, -103.1080
Hunter-Lab	54.7724, -22.1620, -20.6197

Details

The XYZ color **22.6116, 30.0002, 54.4680** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **22.1789, 12.0871, 1.1651**, and the grayscale version is **17.0021, 17.8875, 19.4795**.

A 20% lighter version of the original color is **47.1603, 59.5728, 97.8200**, and **10.2719, 13.2039, 26.0520** is the 20% darker color. If you saturate the color by 10%, you get **22.6112, 29.9991, 54.4684**, and if you desaturate by 10%, it is **23.4063, 31.1837, 54.6552**.

Distribution



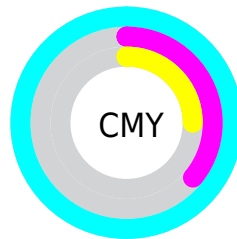
- Red (0%)
- Green (64%)
- Blue (75%)



- Red (0%)
- Yellow (35%)
- Blue (75%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (36%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6116, 30.0002, 54.4680 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 22.6116, 30.0002, 54.4680 by changing the saturation by 10% instead.

■ 22.6116, 30.0002,
54.4680

■ 22.6116, 30.0002,
54.4680

258.2965,
301.9054, 421.1171

■ 14.4261, 19.8387,
38.5802

■ 47.2261, 59.6625,
98.2244

■ 8.5013, 12.2779,
26.1280

■ 64.3859, 79.9321,
126.9301

■ 4.4718, 6.9332,
16.6928

■ 85.2678, 104.3399,
160.7455

■ 1.9724, 3.4204,
9.8561

■ 110.2371,
133.2703, 200.0891

■ 0.6184, 1.3549,
5.1993

■ 139.6593,
167.1076, 245.3796

■ 0.0000, 0.1832,
2.3039

173.8997,

■ 0.0000, 0.0000,

206.2363, 297.0353

0.7334

213.3237,
251.0408, 355.4750

■ 0.0000, 0.0000,
0.0000

■ 22.6116, 30.0002,
54.4680

■ 22.6116, 30.0002,
54.4680

■ 22.6112, 29.9991,
54.4684

■ 23.4063, 31.1837,
54.6552

■ 24.4814, 32.5290,
54.8581

■ 25.9346, 34.0868,
55.0822

■ 27.8149, 35.8828,
55.3298

■ 30.1642, 37.9385,
55.6028

■ 33.0190, 40.2729,
55.9029

■ 36.4123, 42.9031,
56.2317

■ 40.3742, 45.8448,
56.5907

■ 44.9325, 49.1123,
56.9812

Harmonies

Analogous

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



20.6764, 30.0002, 39.7838



22.6116, 30.0002, 54.4680



26.2447, 30.0002, 64.4022

Triad

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



22.6116, 30.0002, 54.4680



38.1153, 30.0002, 39.8115



26.2527, 30.0002, 13.5617

Complementary

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



22.6116, 30.0002, 54.4680



22.1789, 12.0871, 1.1651

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.



30.9111, 30.0002, 13.5653



22.6116, 30.0002, 54.4680



38.1181, 30.0002, 26.4507

Square

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



22.6116, 30.0002, 54.4680



35.3569, 30.0002, 54.4930



35.3640, 30.0002, 17.6297



22.6169, 30.0002, 17.6179

Rectangle

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



22.6116, 30.0002, 54.4680



29.3011, 30.0002, 65.6431



35.3640, 30.0002, 17.6297



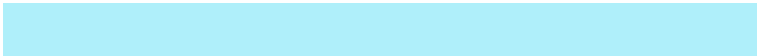
27.7417, 30.0002, 13.1334

Sweetspot

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



22.6126, 30.0013, 54.4687



65.6453, 77.4861, 101.8567



19.0700, 37.7878, 7.4401



13.5007, 16.1769, 21.7962



92.9021, 97.7402, 106.4391



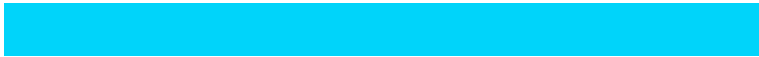
19.4759, 20.4902, 22.3138

Same Dimension

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



22.6126, 30.0013, 54.4687



40.8205, 54.0576, 98.6430



11.5355, 7.8470, 50.7764



10.2347, 11.1608, 12.8996



15.2602, 20.2769, 36.6662



0.6953, 0.9479, 1.5962

Inverse Universe

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



28.3499, 13.8518, 35.8309



51.2911, 25.0665, 64.5213



29.0487, 25.8267, 3.4551



10.4298, 10.2205, 12.3538



19.0986, 9.3292, 24.2292



0.8433, 0.4103, 1.1423

Previews

White Background



This preview shows how the XYZ color 22.6116, 30.0002, 54.4680 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 22.6116, 30.0002, 54.4680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

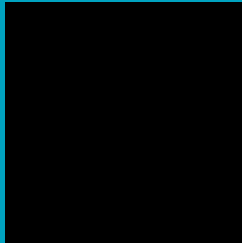
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.6116, 30.0002, 54.4680

Background



This preview shows how black text looks on a background with the XYZ color 22.6116, 30.0002, 54.4680.

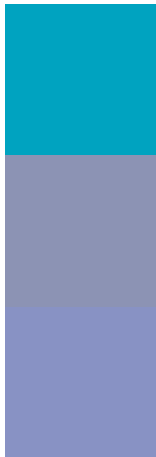


This preview shows how white text looks on a background with the XYZ color 22.6116, 30.0002,

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

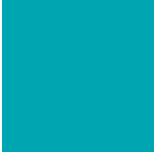
22.6116, 30.0002, 54.4680

Protanopia

29.4872, 29.7382, 47.3659

Deuteranopia

30.3960, 29.7775, 56.3701



Tritanopia

21.4910, 30.1246, 46.8014

Trichromacy



Original Color

22.6116, 30.0002, 54.4680

Protanomaly

24.1628, 28.3670, 49.5493

Deuteranomaly

25.0090, 28.4228, 55.7978

Tritanomaly

21.8227, 29.9698, 49.4343

Monochromacy



Original Color

22.6116, 30.0002, 54.4680

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.5376, 20.5904, 29.8908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6116, 30.0002, 54.4680 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, 163, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 192)  
}
```

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, 163, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 192) }
```

Border

The CSS property to change the border of an element to XYZ 22.6116, 30.0002, 54.4680 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, 163, 192) }
```


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

```
.border{ border-color:rgb(0, 163, 192) }
```

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

Here you see how a box with a 4 pixel rgb(0, 163, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6116, 30.0002, 54.4680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 192) }
```

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

```
.background{ background-color: rgb(0, 163,  
192) }
```

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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