

Converting Colors

XYZ(22.2979, 30.7090, 49.0088)

Have a look what the booklet for
XYZ(22.2979, 30.7090, 49.0088)
contains.

XYZ(22.3292, 30.7784, 49.0199)	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(22.3292, 30.7784,
49.0199)**

Conversions

Conversions Part 1

Format	Color
Hex	12A6B6
RGB	18, 166, 182
RGB Percent	7%, 65%, 71%
CMY	0.9293, 0.3490, 0.2863
CMYK	0.90, 0.09, 0.00, 0.29
HSL	186°, 82%, 39%
HSV	186°, 90%, 71%
XYZ	22.3292, 30.7784, 49.0199
YIQ	123.5720, -93.3440, -26.4000

Conversions

Conversions Part 2

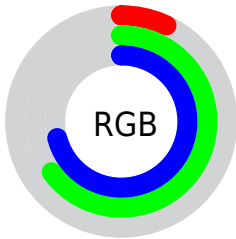
Format	Color
RYB	18, 96, 182
Decimal	1222326
CIELab	62.32, -29.07, -18.25
CIELCh	62, 34.323, 212.123
Yxy	30.7784, 0.2186, 0.3014
Android (android.graphics.Color)	4279412406 (0xFF12A6B6)
YUV	123.5720, 28.8050, -92.5866
Hunter-Lab	55.4783, -25.2434, -13.5531

Details

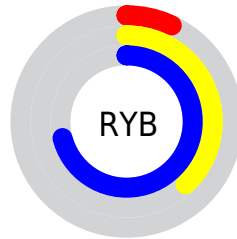
The XYZ color **22.3292, 30.7784, 49.0199** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.9738, 11.1345, 1.6699**, and the grayscale version is **18.9486, 19.9354, 21.7096**.

A 20% lighter version of the original color is **46.6559, 60.6527, 90.1370**, and **9.9798, 13.6196, 22.8717** is the 20% darker color. If you saturate the color by 10%, you get **21.7626, 30.0155, 48.9031**, and if you desaturate by 10%, it is **23.1408, 31.6799, 49.1517**.

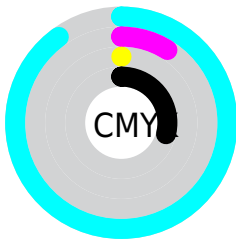
Distribution



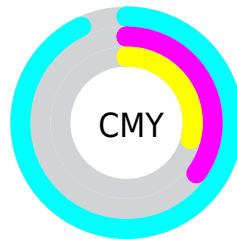
- Red (7%)
- Green (65%)
- Blue (71%)



- Red (7%)
- Yellow (38%)
- Blue (71%)



- Cyan (90%)
- Magenta (9%)
- Yellow (0%)
- Black (29%)



- Cyan (93%)
- Magenta (35%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3292, 30.7784, 49.0199 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 22.3292, 30.7784, 49.0199 by changing the saturation by 10% instead.

■ 22.3292, 30.7784,
49.0199

■ 22.3292, 30.7784,
49.0199

256.8608,
305.5161, 399.4454

■ 14.2169, 20.4302,
34.2696

■ 46.7643, 60.8910,
90.1023

■ 8.3544, 12.7081,
22.8217

■ 63.8179, 81.4242,
117.2714

■ 4.3763, 7.2279,
14.2579

■ 84.5826, 106.1211,
149.4173

■ 1.9171, 3.6050,
8.1594

■ 109.4238,
135.3662, 186.9583

■ 0.5868, 1.4552,
4.1079

■ 138.7069,
169.5439, 230.3131

■ 0.0000, 0.2569,
1.6847

172.7972,

■ 0.0000, 0.0000,

209.0385, 279.9002

0.3502

212.0600,
254.2344, 336.1381

■ 0.0000, 0.0000,
0.0000

■ 22.3292, 30.7784,
49.0199

■ 22.3292, 30.7784,
49.0199

■ 21.7626, 30.0155,
48.9031

■ 23.1408, 31.6799,
49.1517

■ 24.2792, 32.7560,
49.2994

■ 25.7884, 34.0299,
49.4658

■ 27.7048, 35.5204,
49.6525

■ 30.0605, 37.2441,
49.8610

■ 32.8844, 39.2159,
50.0928

■ 36.2029, 41.4494,
50.3490

■ 40.0402, 43.9572,
50.6308

■ 44.4192, 46.7511,
50.9392

Harmonies

Analogous

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



21.2126, 30.7784, 34.4681



22.3292, 30.7784, 49.0199



25.2771, 30.7784, 61.5565

Triad

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



22.3292, 30.7784, 49.0199



37.8714, 30.7784, 46.9371



28.9246, 30.7784, 13.9130

Complementary

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



22.3292, 30.7784, 49.0199



19.9738, 11.1345, 1.6699

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.



33.6274, 30.7784, 15.6189



22.3292, 30.7784, 49.0199



39.1072, 30.7784, 32.5746

Square

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



22.3292, 30.7784, 49.0199



34.2597, 30.7784, 60.1474



37.4800, 30.7784, 21.6780



24.7612, 30.7784, 16.1949

Rectangle

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



22.3292, 30.7784, 49.0199



28.0481, 30.7784, 65.7336



37.4800, 30.7784, 21.6780



30.4939, 30.7784, 14.0378

Sweetspot

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



22.3302, 30.7795, 49.0207



61.1167, 72.1184, 90.9348



17.2347, 33.6878, 6.9387



13.0751, 15.6395, 20.0512



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.3302, 30.7795, 49.0207



39.3574, 54.2220, 88.6273



12.0494, 10.2179, 45.5937



9.1898, 10.0568, 11.5362



15.3954, 21.2504, 34.5434



0.5646, 0.7928, 1.2250

Inverse Universe

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



26.3915, 13.1320, 37.2212



47.1142, 22.8860, 65.5601



25.3822, 21.9512, 3.4727



9.3421, 9.1472, 11.1491



18.3846, 8.9276, 25.7096



0.6591, 0.3191, 0.9644

Previews

White Background



This preview shows how the XYZ color 22.3292, 30.7784, 49.0199 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 22.3292, 30.7784, 49.0199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

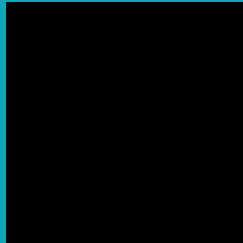
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

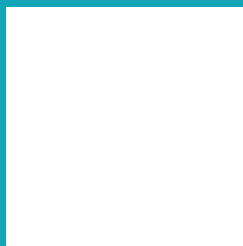
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3292, 30.7784, 49.0199

Background



This preview shows how black text looks on a background with the XYZ color 22.3292, 30.7784, 49.0199.

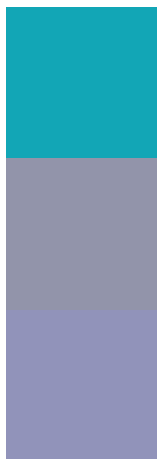


This preview shows how white text looks on a background with the XYZ color 22.3292, 30.7784,

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

22.3292, 30.7784, 49.0199

Protanopia

29.6997, 30.1931, 42.2927

Deuteranopia

30.9737, 30.4323, 50.6959



Tritanopia

22.0261, 30.6459, 47.9344

Trichromacy



Original Color

22.3292, 30.7784, 49.0199

Protanomaly

24.5069, 29.1513, 44.3795

Deuteranomaly

25.4581, 29.2666, 50.2062

Tritanomaly

22.1578, 30.7020, 48.4743

Monochromacy



Original Color

22.3292, 30.7784, 49.0199

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.0898, 22.4409, 30.1662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3292, 30.7784, 49.0199 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(18, 166, 182)` looks like.

```
.text, #text, p{  
    color:rgb(18, 166, 182)  
}
```

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(18, 166, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 166, 182) }
```

Border

The CSS property to change the border of an element to XYZ 22.3292, 30.7784, 49.0199 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(18, 166, 182) }
```


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

```
.border{ border-color:rgb(18, 166, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 166, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 166, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 166, 182);  
box-shadow:4px 4px 4px 4px rgb(18, 166,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3292, 30.7784, 49.0199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 166, 182) }
```

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

```
.background{ background-color: rgb(18, 166,  
182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor