

Converting Colors

XYZ(22.2954, 28.1890, 57.6920)

Have a look what the booklet for
XYZ(22.2954, 28.1890, 57.6920)
contains.

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Color

**XYZ(22.3126, 28.2234,
57.6977)**

Conversions

Conversions Part 1

Format	Color
Hex	059DC6
RGB	5, 157, 198
RGB Percent	2%, 62%, 78%
CMY	0.9802, 0.3843, 0.2235
CMYK	0.97, 0.21, 0.00, 0.22
HSL	193°, 95%, 40%
HSV	193°, 97%, 78%
XYZ	22.3126, 28.2234, 57.6977
YIQ	116.2260, -103.7530, -19.4730

Conversions

Conversions Part 2

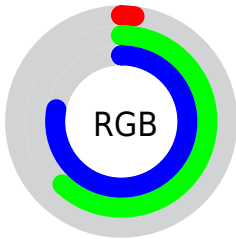
Format	Color
R_{YB}	5, 90, 198
Decimal	368070
CIE _{Lab}	60.09, -19.53, -30.65
CIE _{LCh}	60, 36.348, 237.496
Yxy	28.2234, 0.2062, 0.2608
Android (android.graphics.Color)	4278558150 (0xFF059DC6)
YUV	116.2260, 40.3146, -97.5452
Hunter-Lab	53.1257, -18.0006, -27.2045

Details

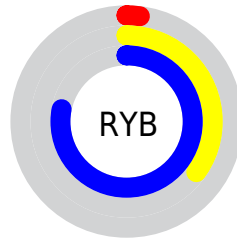
The XYZ color **22.3126, 28.2234, 57.6977** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.2953, 13.9744, 1.5617**, and the grayscale version is **16.5772, 17.4405, 18.9927**.

A 20% lighter version of the original color is **46.8490, 57.0163, 103.1438**, and **10.1881, 12.3217, 28.2269** is the 20% darker color. If you saturate the color by 10%, you get **22.0698, 27.8307, 57.6353**, and if you desaturate by 10%, it is **23.3716, 29.8448, 57.9554**.

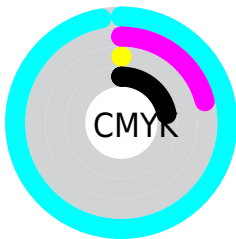
Distribution



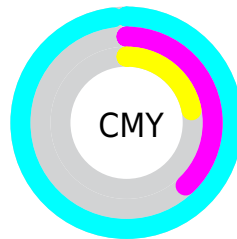
- Red (2%)
- Green (62%)
- Blue (78%)



- Red (2%)
- Yellow (35%)
- Blue (78%)



- Cyan (97%)
- Magenta (21%)
- Yellow (0%)
- Black (22%)



- Cyan (98%)
- Magenta (38%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3126, 28.2234, 57.6977 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 22.3126, 28.2234, 57.6977 by changing the saturation by 10% instead.

■ 22.3126, 28.2234,
57.6977

■ 22.3126, 28.2234,
57.6977

256.7762,
293.5329, 433.6253

■ 14.2047, 18.4941,
41.1526

■ 46.7371, 56.8409,
102.9929

■ 8.3458, 11.3053,
28.1177

■ 63.7844, 76.4979,
132.5801

■ 4.3707, 6.2726,
18.1746

■ 84.5422, 100.2330,
167.3517

■ 1.9139, 3.0115,
10.9047

■ 109.3759,
128.4305, 207.7263

■ 0.5849, 1.1378,
5.8894

■ 138.6508,
161.4749, 254.1225

■ 0.0000, 0.0100,
2.7103

172.7322,

■ 0.0000, 0.0000,

199.7505, 306.9586

0.9486

211.9856,
243.6417, 366.6534

■ 0.0000, 0.0000,
0.0000

■ 22.3126, 28.2234,
57.6977

■ 22.3126, 28.2234,
57.6977

■ 22.0698, 27.8307,
57.6353

■ 23.3716, 29.8448,
57.9554

■ 24.7901, 31.6877,
58.2364

■ 26.6407, 33.7906,
58.5447

■ 28.9746, 36.1800,
58.8829

■ 31.8352, 38.8787,
59.2531

■ 35.2611, 41.9069,
59.6570

■ 39.2871, 45.2830,
60.0965

■ 43.9453, 49.0238,
60.5730

■ 49.2651, 53.1448,
61.0880

Harmonies

Analogous

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



19.6663, 28.2234, 44.0960



22.3126, 28.2234, 57.6977



26.4377, 28.2234, 63.9643

Triad

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



22.3126, 28.2234, 57.6977



36.7588, 28.2234, 31.8601



22.9149, 28.2234, 13.1851

Complementary

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



22.3126, 28.2234, 57.6977



24.2953, 13.9744, 1.5617

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.



27.2171, 28.2234, 11.6237



22.3126, 28.2234, 57.6977



35.5402, 28.2234, 20.3819

Square

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



22.3126, 28.2234, 57.6977



35.0722, 28.2234, 46.6012



31.9092, 28.2234, 13.8302



19.9849, 28.2234, 18.9468

Rectangle

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



22.3126, 28.2234, 57.6977



29.5972, 28.2234, 62.0962



31.9092, 28.2234, 13.8302



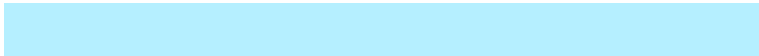
24.2325, 28.2234, 12.2396

Sweetspot

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



22.3136, 28.2244, 57.6984



68.0684, 78.9511, 106.2592



20.7052, 40.6002, 9.0925



13.9003, 16.3398, 22.6712



0.0000, 0.0000, 0.0000



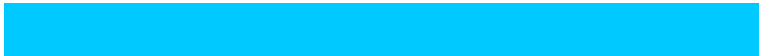
20.3446, 21.4041, 23.3091

Same Dimension

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



22.3136, 28.2244, 57.6984



38.8942, 48.9084, 101.9981



12.0300, 7.6573, 54.2706



10.7481, 11.6702, 13.6036



14.4164, 18.2268, 37.5027



0.7318, 0.9615, 1.7922

Inverse Universe

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



29.4297, 14.5498, 33.1564



51.7612, 25.4685, 57.3339



32.7113, 30.8065, 4.3670



10.9829, 10.7765, 12.8930



19.0761, 9.3800, 21.4083



0.9281, 0.4541, 1.1445

Previews

White Background



This preview shows how the XYZ color 22.3126, 28.2234, 57.6977 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 22.3126, 28.2234, 57.6977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

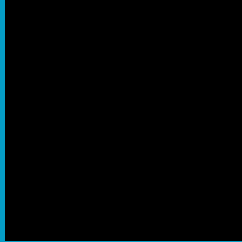
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.3126, 28.2234, 57.6977

Background



This preview shows how black text looks on a background with the XYZ color 22.3126, 28.2234, 57.6977.

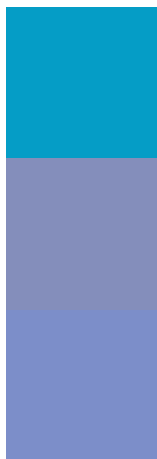


This preview shows how white text looks on a background with the XYZ color 22.3126, 28.2234,

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

22.3126, 28.2234, 57.6977

Protanopia

28.1584, 27.8394, 50.9031

Deuteranopia

28.5278, 27.8481, 59.1300



Tritanopia

20.1136, 28.1587, 43.9102

Trichromacy



Original Color

22.3126, 28.2234, 57.6977

Protanomaly

23.6754, 26.6075, 53.1781

Deuteranomaly

24.2524, 26.7869, 58.5357

Tritanomaly

20.8667, 28.1866, 48.5967

Monochromacy



Original Color

22.3126, 28.2234, 57.6977

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.2851, 19.8444, 30.1662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3126, 28.2234, 57.6977 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(5, 157, 198)` looks like.

```
.text, #text, p{  
    color:rgb(5, 157, 198)  
}
```

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(5, 157, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 157, 198) }
```

Border

The CSS property to change the border of an element to XYZ 22.3126, 28.2234, 57.6977 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(5, 157, 198) }
```


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

```
.border{ border-color:rgb(5, 157, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 157, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 157, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 157, 198);  
box-shadow:4px 4px 4px 4px rgb(5, 157,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3126, 28.2234, 57.6977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 157, 198) }
```

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

```
.background{ background-color: rgb(5, 157,  
198) }
```

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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