

Converting Colors

XYZ(22.2124, 28.0932, 57.1154)

Have a look what the booklet for
XYZ(22.2124, 28.0932, 57.1154)
contains.

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Color

**XYZ(22.2730, 28.2163,
57.0957)**

Conversions

Conversions Part 1

Format	Color
Hex	0B9DC5
RGB	11, 157, 197
RGB Percent	4%, 62%, 77%
CMY	0.9567, 0.3843, 0.2274
CMYK	0.94, 0.20, 0.00, 0.23
HSL	193°, 89%, 41%
HSV	193°, 94%, 77%
XYZ	22.2730, 28.2163, 57.0957
YIQ	117.9060, -99.8560, -18.5120

Conversions

Conversions Part 2

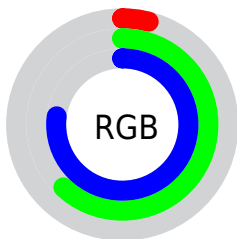
Format	Color
R _{YB}	11, 93, 197
Decimal	761285
CIE _{Lab}	60.08, -19.69, -30.10
CIE _{LCh}	60, 35.967, 236.813
Yxy	28.2163, 0.2070, 0.2623
Android (android.graphics.Color)	4278951365 (0xFF0B9DC5)
YUV	117.9060, 38.9933, -93.7566
Hunter-Lab	53.1190, -18.1126, -26.5454

Details

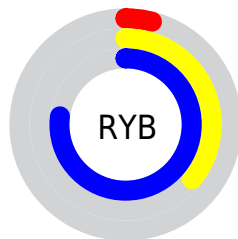
The XYZ color **22.2730, 28.2163, 57.0957** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.2723, 14.2656, 1.7920**, and the grayscale version is **17.0987, 17.9891, 19.5902**.

A 20% lighter version of the original color is **46.7997, 57.0094, 102.3032**, and **10.1120, 12.2912, 27.8261** is the 20% darker color. If you saturate the color by 10%, you get **21.7376, 27.3503, 56.9573**, and if you desaturate by 10%, it is **23.4221, 29.8920, 57.3591**.

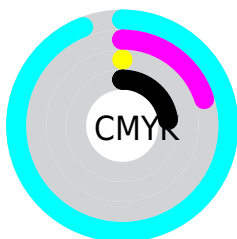
Distribution



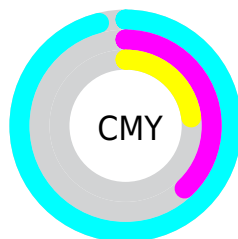
- Red (4%)
- Green (62%)
- Blue (77%)



- Red (4%)
- Yellow (36%)
- Blue (77%)



- Cyan (94%)
- Magenta (20%)
- Yellow (0%)
- Black (23%)



- Cyan (96%)
- Magenta (38%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2730, 28.2163, 57.0957 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 22.2730, 28.2163, 57.0957 by changing the saturation by 10% instead.

■ 22.2730, 28.2163,
57.0957

■ 22.2730, 28.2163,
57.0957

256.5743,
293.4990, 431.3116

■ 14.1754, 18.4888,
40.6722

■ 46.6723, 56.8296,
102.1065

■ 8.3252, 11.3015,
27.7453

■ 63.7047, 76.4841,
131.5310

■ 4.3573, 6.2700,
17.8964

■ 84.4460, 100.2165,
166.1261

■ 1.9062, 3.0099,
10.7069

■ 109.2616,
128.4110, 206.3105

■ 0.5804, 1.1369,
5.7584

■ 138.5169,
161.4522, 252.5027

■ 0.0000, 0.0093,
2.6324

172.5772,

■ 0.0000, 0.0000,

199.7243, 305.1213

0.9091

211.8079,
243.6118, 364.5847

■ 0.0000, 0.0000,
0.0000

■ 22.2730, 28.2163,
57.0957

■ 22.2730, 28.2163,
57.0957

■ 21.7376, 27.3503,
56.9573

■ 23.4221, 29.8920,
57.3591

■ 24.9565, 31.8031,
57.6472

■ 26.9351, 33.9808,
57.9632

■ 29.4055, 36.4501,
58.3096

■ 32.4092, 39.2326,
58.6884

■ 35.9830, 42.3477,
59.1013

■ 40.1603, 45.8129,
59.5500

■ 44.9720, 49.6446,
60.0360

■ 50.4467, 53.8577,
60.5606

Harmonies

Analogous

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



19.6893, 28.2163, 43.5900



22.2730, 28.2163, 57.0957



26.3312, 28.2163, 63.4922

Triad

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



22.2730, 28.2163, 57.0957



36.6289, 28.2163, 32.1491



23.0321, 28.2163, 13.2378

Complementary

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



22.2730, 28.2163, 57.0957



24.2723, 14.2656, 1.7920

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.



27.3123, 28.2163, 11.7681



22.2730, 28.2163, 57.0957



35.4898, 28.2163, 20.6752

Square

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



22.2730, 28.2163, 57.0957



34.9019, 28.2163, 46.7350



31.9444, 28.2163, 14.0555



20.0912, 28.2163, 18.8624

Rectangle

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



22.2730, 28.2163, 57.0957



29.4529, 28.2163, 61.8178



31.9444, 28.2163, 14.0555



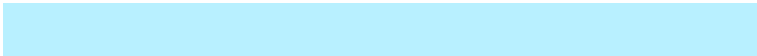
24.3465, 28.2163, 12.3258

Sweetspot

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



22.2740, 28.2173, 57.0964



68.7764, 79.4709, 106.3223



20.6433, 40.2196, 9.4965



14.0322, 16.4354, 22.6827



0.0000, 0.0000, 0.0000



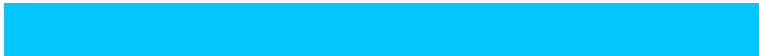
20.3446, 21.4041, 23.3091

Same Dimension

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



22.2740, 28.2173, 57.0964



38.7395, 48.5989, 101.9465



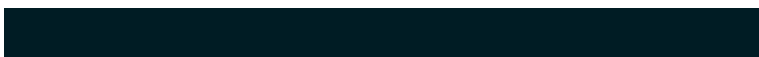
12.2135, 8.0964, 53.7429



10.7456, 11.6654, 13.6028



14.3607, 18.1152, 37.4841



0.7296, 0.9571, 1.7914

Inverse Universe

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



29.2323, 14.5450, 33.1659



51.6831, 25.4372, 56.9225



32.6430, 31.0070, 4.5822



10.9816, 10.7760, 12.8866



19.0479, 9.3687, 21.2600



0.9270, 0.4536, 1.1386

Previews

White Background



This preview shows how the XYZ color 22.2730, 28.2163, 57.0957 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 22.2730, 28.2163, 57.0957 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 22.2730, 28.2163, 57.0957

Background



This preview shows how black text looks on a background with the XYZ color 22.2730, 28.2163, 57.0957.

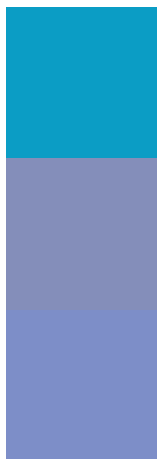


This preview shows how white text looks on a background with the XYZ color 22.2730, 28.2163,

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

22.2730, 28.2163, 57.0957

Protanopia

28.0516, 27.7967, 50.3412

Deuteranopia

28.5558, 27.8761, 58.5192



Tritanopia

20.0172, 28.1202, 43.4024

Trichromacy



Original Color

22.2730, 28.2163, 57.0957

Protanomaly

23.7525, 26.6598, 52.6092

Deuteranomaly

24.3987, 26.8758, 57.9344

Tritanomaly

20.7887, 28.1583, 48.0555

Monochromacy



Original Color

22.2730, 28.2163, 57.0957

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.7422, 20.2714, 30.6341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2730, 28.2163, 57.0957 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(11, 157, 197)` looks like.

```
.text, #text, p{  
    color:rgb(11, 157, 197)  
}
```

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(11, 157, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 157, 197) }
```

Border

The CSS property to change the border of an element to XYZ 22.2730, 28.2163, 57.0957 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(11, 157, 197) }
```


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

```
.border{ border-color:rgb(11, 157, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 157, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 157, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 157, 197);  
box-shadow:4px 4px 4px 4px rgb(11, 157,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2730, 28.2163, 57.0957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 157, 197) }
```

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

```
.background{ background-color: rgb(11, 157,  
197) }
```

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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