

Converting Colors

XYZ(22.9127, 28.2011, 61.3625)

Have a look what the booklet for
XYZ(22.9127, 28.2011, 61.3625)
contains.

XYZ(22.9127, 28.2011, 61.3625)	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(22.9127, 28.2011,
61.3625)**

Conversions

Conversions Part 1

Format	Color
Hex	0A9CCC
RGB	10, 156, 204
RGB Percent	4%, 61%, 80%
CMY	0.9606, 0.3882, 0.2000
CMYK	0.95, 0.24, 0.00, 0.20
HSL	195°, 91%, 42%
HSV	195°, 95%, 80%
XYZ	22.9127, 28.2011, 61.3625
YIQ	117.8180, -102.4240, -16.0240

Conversions

Conversions Part 2

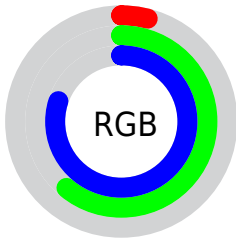
Format	Color
RYB	10, 93, 204
Decimal	695500
CIELab	60.07, -16.70, -34.05
CIElCh	60, 37.923, 243.864
Yxy	28.2011, 0.2037, 0.2507
Android (android.graphics.Color)	4278885580 (0xFF0A9CCC)
YUV	117.8180, 42.4877, -94.5564
Hunter-Lab	53.1047, -15.9171, -31.3363

Details

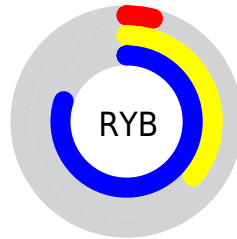
The XYZ color **22.9127, 28.2011, 61.3625** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **26.4723, 15.8898, 1.9602**, and the grayscale version is **17.0617, 17.9502, 19.5478**.

A 20% lighter version of the original color is **46.8238, 56.6333, 103.0712**, and **10.5566, 12.3052, 30.6729** is the 20% darker color. If you saturate the color by 10%, you get **22.3752, 27.3116, 61.2197**, and if you desaturate by 10%, it is **24.2013, 30.1497, 61.6713**.

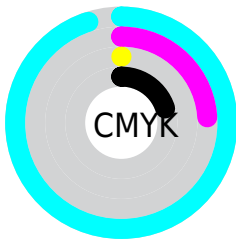
Distribution



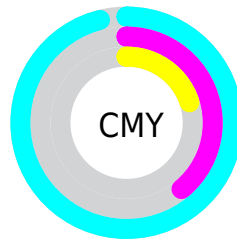
- Red (4%)
- Green (61%)
- Blue (80%)



- Red (4%)
- Yellow (36%)
- Blue (80%)



- Cyan (95%)
- Magenta (24%)
- Yellow (0%)
- Black (20%)



- Cyan (96%)
- Magenta (39%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9127, 28.2011, 61.3625 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 22.9127, 28.2011, 61.3625 by changing the saturation by 10% instead.

■ 22.9127, 28.2011,
61.3625

■ 22.9127, 28.2011,
61.3625

259.8200,
293.4266, 447.5452

■ 14.6494, 18.4773,
44.0853

■ 47.7177, 56.8053,
108.3663

■ 8.6584, 11.2932,
30.3999

■ 64.9900, 76.4546,
138.9300

■ 4.5744, 6.2644,
19.8877

■ 85.9961, 100.1811,
174.7595

■ 2.0319, 3.0065,
12.1302

■ 111.1013,
128.3693, 216.2736

■ 0.6518, 1.1351,
6.7088

■ 140.6709,
161.4035, 263.8906

■ 0.0000, 0.0077,
3.2050

175.0703,

■ 0.0000, 0.0000,

199.6682, 318.0292

1.2002

214.6649,
243.5478, 379.1079

■ 0.0000, 0.0000,
0.0000

■ 22.9127, 28.2011,
61.3625

■ 22.9127, 28.2011,
61.3625

■ 22.3752, 27.3116,
61.2197

■ 24.2013, 30.1497,
61.6713

■ 25.9107, 32.3678,
62.0093

■ 28.1063, 34.8899,
62.3804

■ 30.8410, 37.7441,
62.7872

■ 34.1603, 40.9544,
63.2319

■ 38.1050, 44.5422,
63.7165

■ 42.7118, 48.5272,
64.2429

■ 48.0145, 52.9274,
64.8127

■ 54.0448, 57.7596,
65.4276

Harmonies

Analogous

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



19.7996, 28.2011, 48.0681



22.9127, 28.2011, 61.3625



27.4360, 28.2011, 65.6848

Triad

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



22.9127, 28.2011, 61.3625



37.1955, 28.2011, 28.9458



21.9487, 28.2011, 13.4744

Complementary

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



22.9127, 28.2011, 61.3625



26.4723, 15.8898, 1.9602

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.



26.1824, 28.2011, 11.0605



22.9127, 28.2011, 61.3625



35.2923, 28.2011, 18.1270

Square

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



22.9127, 28.2011, 61.3625



36.0507, 28.2011, 43.9969



31.1133, 28.2011, 12.4641



19.2918, 28.2011, 20.4043

Rectangle

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



22.9127, 28.2011, 61.3625



30.7458, 28.2011, 62.0731



31.1133, 28.2011, 12.4641



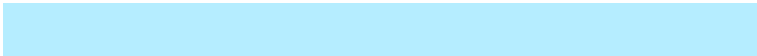
23.2149, 28.2011, 12.2211

Sweetspot

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



22.9137, 28.2021, 61.3632



67.3150, 77.4443, 106.0081



22.4156, 43.5297, 10.8729



13.7179, 15.9750, 22.6104



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.



22.9137, 28.2021, 61.3632



36.8766, 44.8731, 101.3255



12.7348, 7.8442, 57.9702



11.2990, 12.2384, 14.3371



14.1597, 17.3434, 38.5576



0.7880, 1.0098, 2.0083

Inverse Universe

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



31.0120, 15.4559, 32.8021



50.7428, 25.0611, 51.9710



36.2307, 35.4066, 5.2130



11.5643, 11.3544, 13.5061



19.3581, 9.5538, 20.1361



1.0277, 0.5045, 1.1917

Previews

White Background



This preview shows how the XYZ color 22.9127, 28.2011, 61.3625 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 22.9127, 28.2011, 61.3625 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

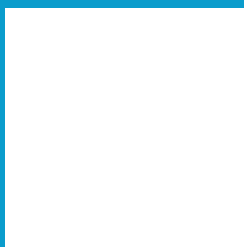
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.9127, 28.2011, 61.3625

Background



This preview shows how black text looks on a background with the XYZ color 22.9127, 28.2011, 61.3625.

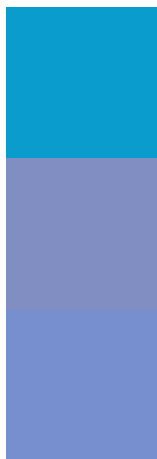


This preview shows how white text looks on a background with the XYZ color 22.9127, 28.2011,

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

22.9127, 28.2011, 61.3625

Protanopia

28.3519, 27.8634, 54.3359

Deuteranopia

28.6927, 28.0719, 62.9376



Tritanopia

20.0172, 28.1202, 43.4024

Trichromacy



Original Color

22.9127, 28.2011, 61.3625

Protanomaly

24.3495, 26.8771, 56.7278

Deuteranomaly

24.9549, 27.2983, 62.3464

Tritanomaly

21.0999, 28.2828, 49.6944

Monochromacy



Original Color

22.9127, 28.2011, 61.3625

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.9005, 20.3347, 31.4680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9127, 28.2011, 61.3625 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(10, 156, 204)` looks like.

```
.text, #text, p{  
    color:rgb(10, 156, 204)  
}
```

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(10, 156, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 156, 204) }
```

Border

The CSS property to change the border of an element to XYZ 22.9127, 28.2011, 61.3625 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(10, 156, 204) }
```


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

```
.border{ border-color:rgb(10, 156, 204) }
```

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

Here you see how a box with a 4 pixel rgb(10, 156, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 156, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 156, 204);  
box-shadow:4px 4px 4px 4px rgb(10, 156,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9127, 28.2011, 61.3625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 156, 204) }
```

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

```
.background{ background-color: rgb(10, 156,  
204) }
```

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