

Converting Colors

XYZ(20.2579, 28.4237, 55.7825)

Have a look what the booklet for
XYZ(20.2579, 28.4237, 55.7825)
contains.

XYZ(22.7707, 29.7808, 56.1779)	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(22.7707, 29.7808,
56.1779)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2C3
RGB	0, 162, 195
RGB Percent	0%, 64%, 76%
CMY	0.9998, 0.3647, 0.2353
CMYK	1.00, 0.17, 0.00, 0.24
HSL	190°, 100%, 38%
HSV	190°, 100%, 76%
XYZ	22.7707, 29.7808, 56.1779
YIQ	117.3240, -107.1450, -24.0810

Conversions

Conversions Part 2

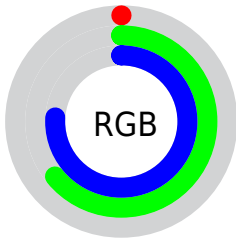
Format	Color
R _{YB}	0, 88, 195
Decimal	41667
CIE Lab	61.46, -23.36, -26.85
CIE LCh	61, 35.590, 228.976
Yxy	29.7808, 0.2094, 0.2739
Android (android.graphics.Color)	4278231747 (0xFF00A2C3)
YUV	117.3240, 38.2943, -102.8931
Hunter-Lab	54.5718, -21.0195, -22.8347

Details

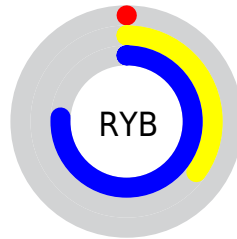
The XYZ color **22.7707, 29.7808, 56.1779** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.0513, 12.6925, 1.2363**, and the grayscale version is **16.9222, 17.8035, 19.3880**.

A 20% lighter version of the original color is **47.5291, 59.3066, 101.0377**, and **10.3836, 13.0749, 27.1757** is the 20% darker color. If you saturate the color by 10%, you get **22.7698, 29.7788, 56.1782**, and if you desaturate by 10%, it is **23.6396, 31.1038, 56.3881**.

Distribution



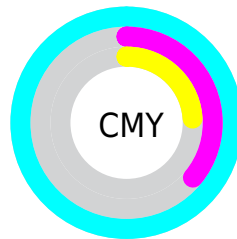
- Red (0%)
- Green (64%)
- Blue (76%)



- Red (0%)
- Yellow (35%)
- Blue (76%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (36%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7707, 29.7808, 56.1779 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 22.7707, 29.7808, 56.1779 by changing the saturation by 10% instead.

■ 22.7707, 29.7808,
56.1779

■ 22.7707, 29.7808,
56.1779

■ 259.1025,
300.8814, 427.7687

■ 14.5440, 19.6723,
39.9406

■ 47.4860, 59.3154,
100.7530

■ 8.5842, 12.1570,
27.1788

■ 64.7053, 79.5102,
129.9280

■ 4.5259, 6.8507,
17.4739

■ 85.6529, 103.8359,
164.2525

■ 2.0038, 3.3689,
10.4075

■ 110.6941,
132.6768, 204.1453

■ 0.6361, 1.3272,
5.5608

■ 140.1944,
166.4175, 250.0247

■ 0.0000, 0.1621,
2.5155

174.5189,

■ 0.0000, 0.0000,

205.4422, 302.3094

0.8483

214.0332,
250.1353, 361.4179

■ 0.0000, 0.0000,
0.0000

■ 22.7707, 29.7808,
56.1779

■ 22.7707, 29.7808,
56.1779

■ 22.7698, 29.7788,
56.1782

■ 23.6396, 31.1038,
56.3881

■ 24.8032, 32.6010,
56.6157

■ 26.3615, 34.3247,
56.8663

■ 28.3659, 36.3015,
57.1422

■ 30.8597, 38.5539,
57.4455

■ 33.8810, 41.1018,
57.7781

■ 37.4640, 43.9629,
58.1415

■ 41.6401, 47.1535,
58.5372

■ 46.4382, 50.6887,
58.9667

Harmonies

Analogous

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



20.5802, 29.7808, 41.6069



22.7707, 29.7808, 56.1779



26.6100, 29.7808, 65.1053

Triad

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



22.7707, 29.7808, 56.1779



38.1519, 29.7808, 37.6399



25.4634, 29.7808, 13.5711

Complementary

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



22.7707, 29.7808, 56.1779



23.0513, 12.6925, 1.2363

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.



30.0720, 29.7808, 13.0572



22.7707, 29.7808, 56.1779



37.7569, 29.7808, 24.7063

Square

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



22.7707, 29.7808, 56.1779



35.6982, 29.7808, 52.5903



34.6721, 29.7808, 16.5378



22.0116, 29.7808, 18.2141

Rectangle

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



22.7707, 29.7808, 56.1779



29.7416, 29.7808, 65.3616



34.6721, 29.7808, 16.5378



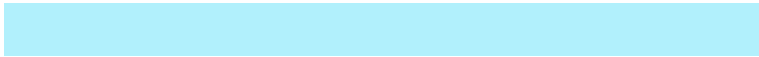
26.9169, 29.7808, 12.9696

Sweetspot

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



22.7717, 29.7818, 56.1786



66.7602, 78.4735, 104.0981



19.7840, 39.1382, 7.9169



13.9926, 16.6896, 22.7339



0.0000, 0.0000, 0.0000



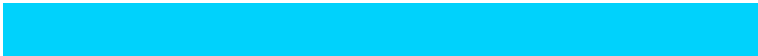
20.3446, 21.4041, 23.3091

Same Dimension

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



22.7717, 29.7818, 56.1786



40.6194, 53.0115, 100.5612



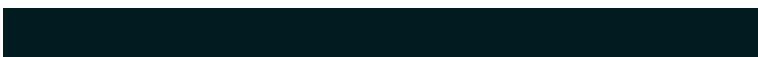
11.7431, 7.7246, 52.5024



10.2188, 11.1289, 12.8943



14.8525, 19.4615, 36.5303



0.6810, 0.9195, 1.5915

Inverse Universe

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



29.0282, 14.2119, 35.3966



51.9060, 25.4187, 62.9601



30.4909, 27.5718, 3.7162



10.4217, 10.2173, 12.3114



18.8928, 9.2469, 23.1455



0.8361, 0.4075, 1.1045

Previews

White Background



This preview shows how the XYZ color 22.7707, 29.7808, 56.1779 looks on a white background.

Color Contrast Check

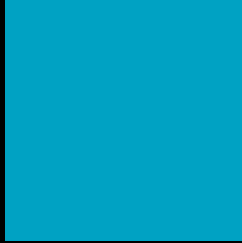
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7707, 29.7808, 56.1779 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

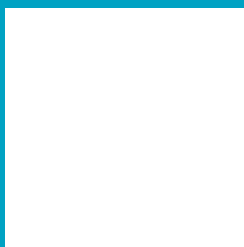
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.7707, 29.7808, 56.1779

Background



This preview shows how black text looks on a background with the XYZ color 22.7707, 29.7808, 56.1779.

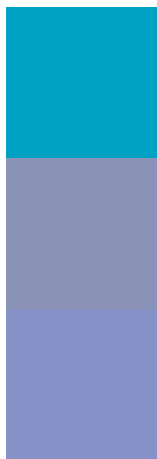


This preview shows how white text looks on a background with the XYZ color 22.7707, 29.7808,

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

22.7707, 29.7808, 56.1779

Protanopia

29.4736, 29.4656, 48.9338

Deuteranopia

30.1071, 29.3609, 58.1132



Tritanopia

21.2113, 29.7252, 46.2146

Trichromacy



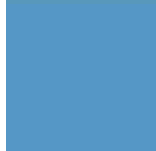
Original Color

22.7707, 29.7808, 56.1779



Protanomaly

24.2224, 28.1190, 51.1646



Deuteranomaly

25.0060, 28.1417, 57.5400



Tritanomaly

21.7489, 29.6551, 49.9251

Monochromacy



Original Color

22.7707, 29.7808, 56.1779



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

16.3224, 20.2752, 29.8413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7707, 29.7808, 56.1779 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, 162, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 195)  
}
```

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, 162, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 195) }
```

Border

The CSS property to change the border of an element to XYZ 22.7707, 29.7808, 56.1779 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, 162, 195) }
```


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

```
.border{ border-color:rgb(0, 162, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7707, 29.7808, 56.1779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 195) }
```

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

```
.background{ background-color: rgb(0, 162,  
195) }
```

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