

Converting Colors

XYZ(22.3865, 27.3345, 61.2229)

Have a look what the booklet for
XYZ(22.3865, 27.3345, 61.2229)
contains.

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Color

**XYZ(22.4547, 27.4708,
61.2457)**

Conversions

Conversions Part 1

Format	Color
Hex	009ACC
RGB	0, 154, 204
RGB Percent	0%, 60%, 80%
CMY	0.9998, 0.3961, 0.2000
CMYK	1.00, 0.25, 0.00, 0.20
HSL	195°, 100%, 40%
HSV	195°, 100%, 80%
XYZ	22.4547, 27.4708, 61.2457
YIQ	113.6540, -107.8340, -17.0980

Conversions

Conversions Part 2

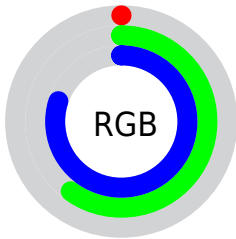
Format	Color
R _Y B	0, 88, 204
Decimal	39628
CIE _{Lab}	59.41, -15.94, -35.08
CIE _{LCh}	59, 38.533, 245.569
Y _{xy}	27.4708, 0.2020, 0.2471
Android (android.graphics.Color)	4278229708 (0xFF009ACC)
YUV	113.6540, 44.5406, -99.6746
Hunter-Lab	52.4126, -15.2487, -32.5933

Details

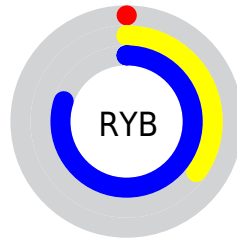
The XYZ color **22.4547, 27.4708, 61.2457** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **26.0450, 15.1229, 1.5477**, and the grayscale version is **15.7896, 16.6119, 18.0903**.

A 20% lighter version of the original color is **45.8614, 55.0411, 102.8146**, and **10.3553, 11.9025, 30.6058** is the 20% darker color. If you saturate the color by 10%, you get **22.4531, 27.4675, 61.2457**, and if you desaturate by 10%, it is **23.5955, 29.3104, 61.5412**.

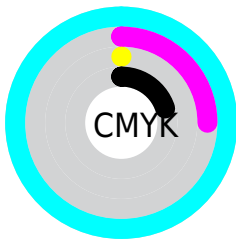
Distribution



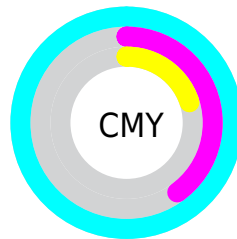
- Red (0%)
- Green (60%)
- Blue (80%)



- Red (0%)
- Yellow (35%)
- Blue (80%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (40%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4547, 27.4708, 61.2457 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 22.4547, 27.4708, 61.2457 by changing the saturation by 10% instead.

■ 22.4547, 27.4708,
61.2457

■ 22.4547, 27.4708,
61.2457

257.4997,
289.9295, 447.1058

■ 14.3099, 17.9271,
43.9916

■ 46.9697, 55.6384,
108.1956

■ 8.4196, 10.8977,
30.3268

■ 64.0705, 75.0312,
138.7285

■ 4.4187, 5.9981,
19.8326

■ 84.8873, 98.4757,
174.5248

■ 1.9416, 2.8439,
12.0906

■ 109.7856,
126.3565, 216.0030

■ 0.6008, 1.0508,
6.6821

■ 139.1306,
159.0579, 263.5817

■ 0.0000, 0.0000,
3.1887

173.2877,

■ 0.0000, 0.0000,

196.9642, 317.6793

1.1918

212.6223,
240.4600, 378.7145

■ 0.0000, 0.0000,
0.0000

■ 22.4547, 27.4708,
61.2457

■ 22.4547, 27.4708,
61.2457

■ 22.4531, 27.4675,
61.2457

■ 23.5955, 29.3104,
61.5412

■ 25.0838, 31.3803,
61.8623

■ 27.0279, 33.7375,
62.2148

■ 29.4857, 36.4123,
62.6016

■ 32.5058, 39.4305,
63.0250

■ 36.1313, 42.8146,
63.4871

■ 40.4005, 46.5852,
63.9899

■ 45.3488, 50.7609,
64.5351

■ 51.0087, 55.3591,
65.1243

Harmonies

Analogous

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



19.2617, 27.4708, 48.2008



22.4547, 27.4708, 61.2457



27.0217, 27.4708, 64.9556

Triad

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



22.4547, 27.4708, 61.2457



36.4858, 27.4708, 27.4037



21.0726, 27.4708, 13.0745

Complementary

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



22.4547, 27.4708, 61.2457



26.0450, 15.1229, 1.5477

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.



25.2194, 27.4708, 10.4820



22.4547, 27.4708, 61.2457



34.4154, 27.4708, 16.9551

Square

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



22.4547, 27.4708, 61.2457



35.5101, 27.4708, 42.3140



30.1423, 27.4708, 11.6437



18.5353, 27.4708, 20.2048

Rectangle

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



22.4547, 27.4708, 61.2457



30.3266, 27.4708, 60.8865



30.1423, 27.4708, 11.6437



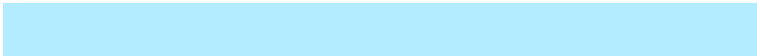
22.3039, 27.4708, 11.7631

Sweetspot

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



22.4557, 27.4717, 61.2464



66.5913, 76.8768, 105.9367



22.1198, 43.3969, 9.9679



13.5824, 15.8693, 22.5972



0.0000, 0.0000, 0.0000



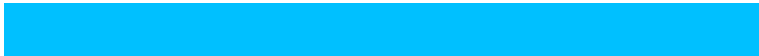
20.3446, 21.4041, 23.3091

Same Dimension

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



22.4557, 27.4717, 61.2464



37.0066, 45.1331, 101.3689



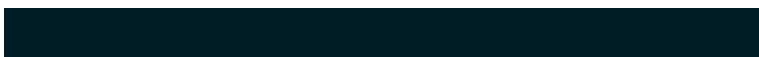
12.2394, 7.0391, 57.8410



11.3013, 12.2429, 14.3379



14.2083, 17.4406, 38.5738



0.7902, 1.0141, 2.0090

Inverse Universe

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



30.7355, 15.1717, 31.8810



50.8084, 25.0874, 52.3165



35.7472, 34.5272, 4.7817



11.5654, 11.3549, 13.5121



19.3826, 9.5636, 20.2653



1.0288, 0.5049, 1.1974

Previews

White Background



This preview shows how the XYZ color 22.4547, 27.4708, 61.2457 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 22.4547, 27.4708, 61.2457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

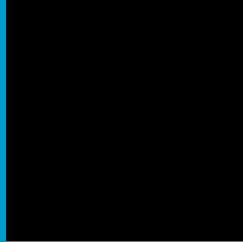
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.4547, 27.4708, 61.2457

Background



This preview shows how black text looks on a background with the XYZ color 22.4547, 27.4708, 61.2457.

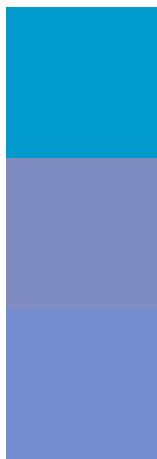


This preview shows how white text looks on a background with the XYZ color 22.4547, 27.4708,

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

22.4547, 27.4708, 61.2457

Protanopia

27.7561, 27.1184, 54.2236

Deuteranopia

27.9898, 27.2678, 62.8195

Trichromacy



Original Color

22.4547, 27.4708, 61.2457

Protanomaly

23.5968, 26.0313, 56.6042

Deuteranomaly

24.2435, 26.4698, 62.2239

Monochromacy



Original Color

22.4547, 27.4708, 61.2457

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.8644, 19.2236, 30.4781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4547, 27.4708, 61.2457 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, 154, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 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(0, 154, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 204) }
```

Border

The CSS property to change the border of an element to XYZ 22.4547, 27.4708, 61.2457 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, 154, 204) }
```

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

```
.border{ border-color:rgb(0, 154, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
204) }
```


Background

The CSS property to change the background color of an element to XYZ 22.4547, 27.4708, 61.2457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 204) }
```

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

```
.background{ background-color: rgb(0, 154,  
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](#).

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