

Converting Colors

XYZ(20.4606, 26.3640, 63.0179)

Have a look what the booklet for
XYZ(20.4606, 26.3640, 63.0179)
contains.

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Color

**XYZ(22.8181, 27.6162,
63.1593)**

Conversions

Conversions Part 1

Format	Color
Hex	009ACF
RGB	0, 154, 207
RGB Percent	0%, 60%, 81%
CMY	0.9998, 0.3961, 0.1882
CMYK	1.00, 0.26, 0.00, 0.19
HSL	195°, 100%, 41%
HSV	195°, 100%, 81%
XYZ	22.8181, 27.6162, 63.1593
YIQ	113.9960, -108.7970, -16.1650

Conversions

Conversions Part 2

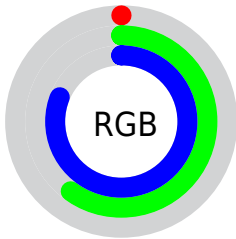
Format	Color
RYB	0, 88, 207
Decimal	39631
CIELab	59.54, -14.85, -36.56
CIElCh	60, 39.457, 247.890
Yxy	27.6162, 0.2009, 0.2431
Android (android.graphics.Color)	4278229711 (0xFF009ACF)
YUV	113.9960, 45.8510, -99.9745
Hunter-Lab	52.5511, -14.4584, -34.4727

Details

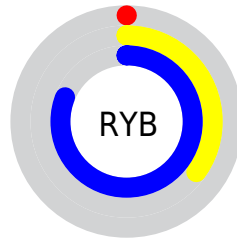
The XYZ color **22.8181, 27.6162, 63.1593** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **27.0079, 15.8162, 1.6308**, and the grayscale version is **15.8880, 16.7154, 18.2031**.

A 20% lighter version of the original color is **45.9727, 55.0985, 102.8198**, and **10.5177, 11.9675, 31.4614** is the 20% darker color. If you saturate the color by 10%, you get **22.8164, 27.6127, 63.1593**, and if you desaturate by 10%, it is **24.0169, 29.5623, 63.4723**.

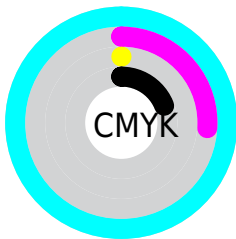
Distribution



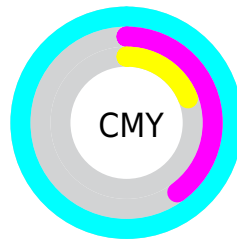
- Red (0%)
- Green (60%)
- Blue (81%)



- Red (0%)
- Yellow (35%)
- Blue (81%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (40%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8181, 27.6162, 63.1593 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 22.8181, 27.6162, 63.1593 by changing the saturation by 10% instead.

■ 22.8181, 27.6162,
63.1593

■ 22.8181, 27.6162,
63.1593

259.3422,
290.6284, 454.2712

■ 14.5792, 18.0365,
45.5283

■ 47.5633, 55.8711,
110.9871

■ 8.6090, 10.9762,
31.5278

■ 64.8004, 75.3151,
142.0209

■ 4.5421, 6.0509,
20.7392

■ 85.7675, 98.8161,
178.3595

■ 2.0131, 2.8760,
12.7441

■ 110.8301,
126.7584, 220.4212

■ 0.6413, 1.0674,
7.1239

■ 140.3535,
159.5263, 268.6247

■ 0.0000, 0.0000,
3.4601

174.7031,

■ 0.0000, 0.0000,

197.5044, 323.3885

1.3341

214.2442,
241.0770, 385.1312

■ 0.0000, 0.0000,
0.0895

■ 0.0000, 0.0000,
0.0000

■ 22.8181, 27.6162,
63.1593

■ 22.8181, 27.6162,
63.1593

■ 22.8164, 27.6127,
63.1593

■ 24.0169, 29.5623,
63.4723

■ 25.5789, 31.7534,
63.8129

■ 27.6155, 34.2479,
64.1871

■ 30.1868, 37.0775,
64.5977

■ 33.3433, 40.2690,
65.0474

■ 37.1295, 43.8460,
65.5382

■ 41.5855, 47.8298,
66.0723

■ 46.7479, 52.2398,
66.6515

■ 52.6504, 57.0941,
67.2774

Harmonies

Analogous

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



19.4149, 27.6162, 50.1694



22.8181, 27.6162, 63.1593



27.5802, 27.6162, 66.0748

Triad

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



22.8181, 27.6162, 63.1593



36.8803, 27.6162, 26.4718



20.8133, 27.6162, 13.2474

Complementary

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



22.8181, 27.6162, 63.1593



27.0079, 15.8162, 1.6308

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.



24.9601, 27.6162, 10.3102



22.8181, 27.6162, 63.1593



34.5222, 27.6162, 16.2147

Square

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



22.8181, 27.6162, 63.1593



36.1186, 27.6162, 41.5729



30.0063, 27.6162, 11.1919



18.3631, 27.6162, 20.9116

Rectangle

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



22.8181, 27.6162, 63.1593



30.9698, 27.6162, 61.2684



30.0063, 27.6162, 11.1919



22.0329, 27.6162, 11.8054

Sweetspot

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



22.8191, 27.6171, 63.1600



66.3506, 76.3953, 105.8565



22.9287, 44.8724, 10.6765



13.5245, 15.7535, 22.5779



0.0000, 0.0000, 0.0000



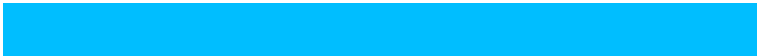
20.3446, 21.4041, 23.3091

Same Dimension

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



22.8191, 27.6171, 63.1600



36.3977, 43.9154, 101.1659



12.4817, 6.9424, 59.7142



11.8914, 12.8731, 15.1017



14.4548, 17.5561, 39.8193



0.8700, 1.1051, 2.2470

Inverse Universe

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



31.5658, 15.5997, 31.9200



50.5011, 24.9644, 50.6981



37.4978, 36.7959, 5.1274



12.1761, 11.9552, 14.2031



19.9268, 9.8436, 20.3186



1.1454, 0.5629, 1.3002

Previews

White Background



This preview shows how the XYZ color 22.8181, 27.6162, 63.1593 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 22.8181, 27.6162, 63.1593 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

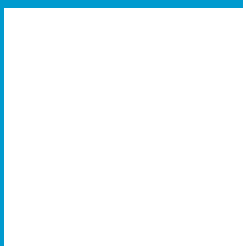
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8181, 27.6162, 63.1593

Background



This preview shows how black text looks on a background with the XYZ color 22.8181, 27.6162, 63.1593.

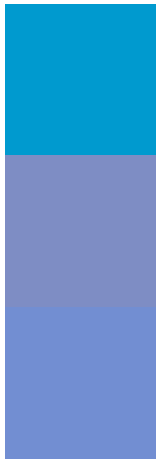


This preview shows how white text looks on a background with the XYZ color 22.8181, 27.6162,

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

22.8181, 27.6162, 63.1593

Protanopia

28.0929, 27.4709, 56.0463

Deuteranopia

28.2453, 27.5766, 64.8069



Tritanopia

19.7488, 27.7365, 42.8409

Trichromacy



Original Color

22.8181, 27.6162, 63.1593

Protanomaly

24.0125, 26.4334, 58.4801

Deuteranomaly

24.5352, 26.5777, 64.1585

Tritanomaly

20.7087, 27.5746, 49.5784

Monochromacy



Original Color

22.8181, 27.6162, 63.1593

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.9432, 19.2551, 30.8933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8181, 27.6162, 63.1593 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 207) }
```

Border

The CSS property to change the border of an element to XYZ 22.8181, 27.6162, 63.1593 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, 207) }
```


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

```
.border{ border-color:rgb(0, 154, 207) }
```

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, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8181, 27.6162, 63.1593 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, 207) }
```

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

```
.background{ background-color: rgb(0, 154,  
207) }
```

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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