

Converting Colors

XYZ(9.7488, 16.8018, 64.9166)

Have a look what the booklet for
XYZ(9.7488, 16.8018, 64.9166)
contains.

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Color

**XYZ(20.6878, 22.3618,
65.5132)**

Conversions

Conversions Part 1

Format	Color
Hex	0088D4
RGB	0, 136, 212
RGB Percent	0%, 53%, 83%
CMY	0.9998, 0.4667, 0.1686
CMYK	1.00, 0.36, 0.00, 0.17
HSL	202°, 100%, 42%
HSV	202°, 100%, 83%
XYZ	20.6878, 22.3618, 65.5132
YIQ	104.0000, -105.4520, -5.1960

Conversions

Conversions Part 2

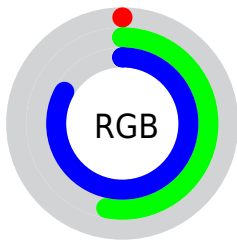
Format	Color
RYB	0, 83, 212
Decimal	35028
CIELab	54.41, -2.72, -47.45
CIELCh	54, 47.528, 266.719
Yxy	22.3618, 0.1906, 0.2060
Android (android.graphics.Color)	4278225108 (0xFF0088D4)
YUV	104.0000, 53.2440, -91.2080
Hunter-Lab	47.2883, -4.6638, -49.0386

Details

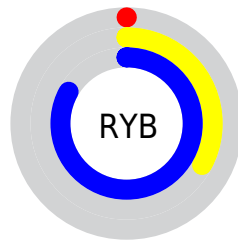
The XYZ color **20.6878, 22.3618, 65.5132** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **29.7395, 19.1726, 2.1346**, and the grayscale version is **13.0445, 13.7239, 14.9453**.

A 20% lighter version of the original color is **41.6144, 46.3819, 101.3670**, and **9.4940, 9.2507, 33.1835** is the 20% darker color. If you saturate the color by 10%, you get **20.6857, 22.3574, 65.5130**, and if you desaturate by 10%, it is **22.1115, 24.7421, 65.8981**.

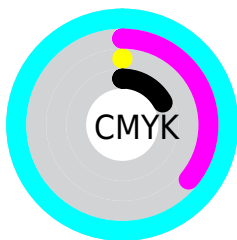
Distribution



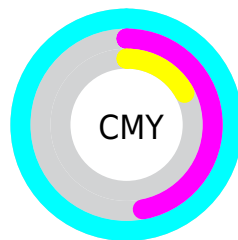
- Red (0%)
- Green (53%)
- Blue (83%)



- Red (0%)
- Yellow (33%)
- Blue (83%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (47%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6878, 22.3618, 65.5132 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 20.6878, 22.3618, 65.5132 by changing the saturation by 10% instead.

■ 20.6878, 22.3618,
65.5132

■ 20.6878, 22.3618,
65.5132

248.3779,
264.4299, 462.9905

■ 13.0071, 14.1230,
47.4234

■ 44.0626, 47.3433,
114.4077

■ 7.5105, 8.2063,
33.0137

■ 60.4874, 64.8547,
146.0494

■ 3.8325, 4.2272,
21.8658

■ 80.5576, 86.2258,
183.0455

■ 1.6078, 1.8015,
13.5609

■ 104.6387,
111.8409, 225.8145

■ 0.3975, 0.4881,
7.6807

■ 133.0959,
142.0845, 274.7750

■ 0.0000, 0.0000,
3.8065

166.2946,

■ 0.0000, 0.0000,

177.3409, 330.3454

1.5198

204.6001,
217.9946, 392.9444

■ 0.0000, 0.0000,
0.2326

■ 0.0000, 0.0000,
0.0000

■ 20.6878, 22.3618,
65.5132

■ 20.6878, 22.3618,
65.5132

■ 20.6857, 22.3574,
65.5130

■ 22.1115, 24.7421,
65.8981

■ 23.9566, 27.4544,
66.3244

■ 26.3401, 30.5614,
66.7985

■ 29.3267, 34.0987,
67.3238

■ 32.9712, 38.0964,
67.9034

■ 37.3216, 42.5814,
68.5398

■ 42.4211, 47.5781,
69.2355

■ 48.3095, 53.1087,
69.9926

■ 55.0233, 59.1940,
70.8133

Harmonies

Analogous

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



16.2321, 22.3618, 56.9345



20.6878, 22.3618, 65.5132



26.0674, 22.3618, 59.8671

Triad

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



20.6878, 22.3618, 65.5132



31.4794, 22.3618, 13.6207



13.9516, 22.3618, 11.7852

Complementary

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



20.6878, 22.3618, 65.5132



29.7395, 19.1726, 2.1346

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.



17.0733, 22.3618, 6.6956



20.6878, 22.3618, 65.5132



27.2182, 22.3618, 7.4119

Square

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



20.6878, 22.3618, 65.5132



32.8634, 22.3618, 26.0220



21.8309, 22.3618, 5.5029



12.7624, 22.3618, 22.7478

Rectangle

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



20.6878, 22.3618, 65.5132



29.3840, 22.3618, 49.6878



21.8309, 22.3618, 5.5029



14.7820, 22.3618, 9.5337

Sweetspot

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



20.6887, 22.3625, 65.5138



64.1502, 71.9945, 105.1230



24.7881, 47.5851, 14.3979



12.9974, 14.6993, 22.4022



0.0000, 0.0000, 0.0000



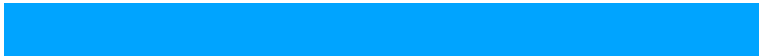
20.3446, 21.4041, 23.3091

Same Dimension

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



20.6887, 22.3625, 65.5138



31.2478, 33.6156, 99.4493



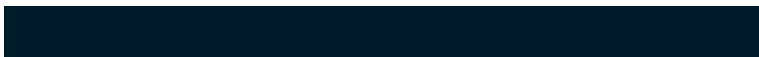
12.3966, 5.7783, 62.7497



12.4002, 13.3239, 15.8557



12.8681, 13.9979, 40.4768



0.8532, 0.9983, 2.4670

Inverse Universe

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



31.5961, 15.7758, 24.6728



47.9017, 23.9247, 37.0098



43.5151, 46.7237, 6.7265



12.7552, 12.5536, 14.6512



19.5541, 9.7579, 15.4876



1.2183, 0.6041, 1.1389

Previews

White Background



This preview shows how the XYZ color 20.6878, 22.3618, 65.5132 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 20.6878, 22.3618, 65.5132 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

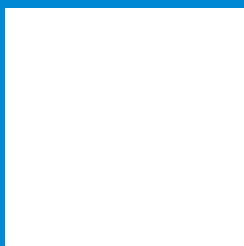
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6878, 22.3618, 65.5132

Background



This preview shows how black text looks on a background with the XYZ color 20.6878, 22.3618, 65.5132.

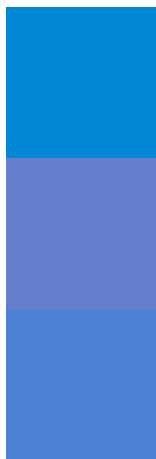


This preview shows how white text looks on a background with the XYZ color 20.6878, 22.3618,

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

20.6878, 22.3618, 65.5132

Protanopia

23.8553, 22.3051, 60.1747

Deuteranopia

22.9734, 22.3059, 66.0454



Tritanopia

15.8060, 22.2796, 34.0392

Trichromacy



Original Color

20.6878, 22.3618, 65.5132

Protanomaly

21.3595, 21.5602, 62.0673

Deuteranomaly

21.4804, 21.9350, 66.0525

Tritanomaly

17.2627, 22.1449, 43.9220

Monochromacy



Original Color

20.6878, 22.3618, 65.5132

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.4501, 15.6322, 28.2950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6878, 22.3618, 65.5132 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, 136, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 212)  
}
```

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, 136, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 212) }
```

Border

The CSS property to change the border of an element to XYZ 20.6878, 22.3618, 65.5132 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, 136, 212) }
```


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

```
.border{ border-color:rgb(0, 136, 212) }
```

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

Here you see how a box with a 4 pixel rgb(0, 136, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6878, 22.3618, 65.5132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 212) }
```

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

```
.background{ background-color: rgb(0, 136,  
212) }
```

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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