

Converting Colors

XYZ(18.9356, 21.3997, 66.7856)

Have a look what the booklet for
XYZ(18.9356, 21.3997, 66.7856)
contains.

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Color

**XYZ(20.9418, 22.4634,
66.8504)**

Conversions

Conversions Part 1

Format	Color
Hex	0088D6
RGB	0, 136, 214
RGB Percent	0%, 53%, 84%
CMY	0.9998, 0.4667, 0.1608
CMYK	1.00, 0.36, 0.00, 0.16
HSL	202°, 100%, 42%
HSV	202°, 100%, 84%
XYZ	20.9418, 22.4634, 66.8504
YIQ	104.2280, -106.0940, -4.5740

Conversions

Conversions Part 2

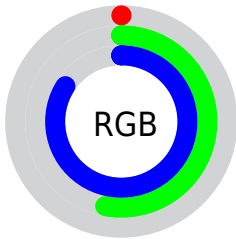
Format	Color
R _Y B	0, 83, 214
Decimal	35030
CIE _{Lab}	54.52, -1.95, -48.41
CIE _{LCh}	55, 48.447, 267.689
Yxy	22.4634, 0.1899, 0.2037
Android (android.graphics.Color)	4278225110 (0xFF0088D6)
YUV	104.2280, 54.1176, -91.4080
Hunter-Lab	47.3956, -4.0718, -50.4503

Details

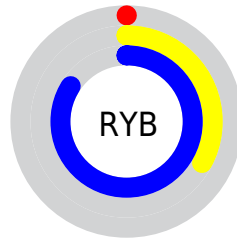
The XYZ color **20.9418, 22.4634, 66.8504** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **30.4603, 19.7528, 2.2088**, and the grayscale version is **13.1037, 13.7861, 15.0131**.

A 20% lighter version of the original color is **41.6144, 46.3819, 101.3670**, and **9.6662, 9.3196, 34.0903** is the 20% darker color. If you saturate the color by 10%, you get **20.9392, 22.4582, 66.8500**, and if you desaturate by 10%, it is **22.4001, 24.9065, 67.2456**.

Distribution



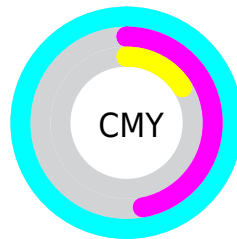
- Red (0%)
- Green (53%)
- Blue (84%)



- Red (0%)
- Yellow (33%)
- Blue (84%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (47%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9418, 22.4634, 66.8504 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 20.9418, 22.4634, 66.8504 by changing the saturation by 10% instead.

■ 20.9418, 22.4634,
66.8504

■ 20.9418, 22.4634,
66.8504

249.7066,
264.9568, 467.8991

■ 13.1937, 14.1978,
48.5022

■ 44.4827, 47.5107,
116.3446

■ 7.6400, 8.2584,
33.8620

■ 61.0061, 65.0612,
148.3278

■ 3.9153, 4.2607,
22.5111

■ 81.1854, 86.4755,
185.6930

■ 1.6543, 1.8204,
14.0310

■ 105.3859,
112.1379, 228.8588

■ 0.4274, 0.4999,
8.0032

■ 133.9728,
142.4328, 278.2438

■ 0.0000, 0.0000,
4.0092

167.3117,

■ 0.0000, 0.0000,

177.7447, 334.2665

1.6304

205.7679,
218.4579, 397.3454

■ 0.0000, 0.0000,
0.3124

■ 0.0000, 0.0000,
0.0000

■ 20.9418, 22.4634,
66.8504

■ 20.9418, 22.4634,
66.8504

■ 20.9392, 22.4582,
66.8500

■ 22.4001, 24.9065,
67.2456

■ 24.2921, 27.6940,
67.6839

■ 26.7369, 30.8901,
68.1720

■ 29.8007, 34.5312,
68.7133

■ 33.5398, 38.6484,
69.3109

■ 38.0032, 43.2694,
69.9676

■ 43.2355, 48.4191,
70.6859

■ 49.2773, 54.1206,
71.4679

■ 56.1661, 60.3952,
72.3159

Harmonies

Analogous

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



16.3454, 22.4634, 58.4275



20.9418, 22.4634, 66.8504



26.4549, 22.4634, 60.5595

Triad

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



20.9418, 22.4634, 66.8504



31.7270, 22.4634, 13.2326



13.8323, 22.4634, 11.9226

Complementary

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



20.9418, 22.4634, 66.8504



30.4603, 19.7528, 2.2088

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.



16.9494, 22.4634, 6.6291



20.9418, 22.4634, 66.8504



27.2860, 22.4634, 7.1352

Square

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



20.9418, 22.4634, 66.8504



33.2629, 22.4634, 25.6567



21.7651, 22.4634, 5.3319



12.6880, 22.4634, 23.2988

Rectangle

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



20.9418, 22.4634, 66.8504



29.8256, 22.4634, 49.8928



21.7651, 22.4634, 5.3319



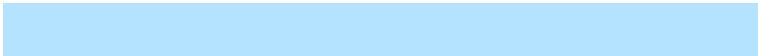
14.6558, 22.4634, 9.5840

Sweetspot

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



20.9427, 22.4641, 66.8510



64.0242, 71.7426, 105.0810



25.3152, 48.6009, 14.6917



12.9674, 14.6392, 22.3921



0.0000, 0.0000, 0.0000



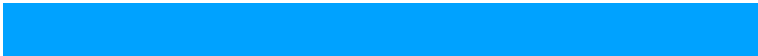
20.3446, 21.4041, 23.3091

Same Dimension

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



20.9427, 22.4641, 66.8510



30.9762, 33.0724, 99.3587



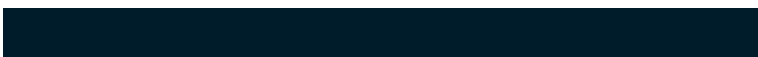
12.6588, 5.8963, 64.0897



12.3938, 13.3111, 15.8536



12.7585, 13.7787, 40.4403



0.8471, 0.9861, 2.4650

Inverse Universe

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



32.1764, 16.0750, 24.6999



47.7646, 23.8698, 36.2879



44.4413, 47.7149, 6.8691



12.7520, 12.5523, 14.6342



19.4987, 9.7358, 15.1963



1.2152, 0.6029, 1.1226

Previews

White Background



This preview shows how the XYZ color 20.9418, 22.4634, 66.8504 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 20.9418, 22.4634, 66.8504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

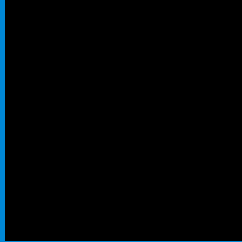
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.9418, 22.4634, 66.8504

Background



This preview shows how black text looks on a background with the XYZ color 20.9418, 22.4634, 66.8504.



This preview shows how white text looks on a background with the XYZ color 20.9418, 22.4634,

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

20.9418, 22.4634, 66.8504

Protanopia

23.9855, 22.3443, 61.4412

Deuteranopia

23.2061, 22.5947, 67.4281



Tritanopia

15.8897, 22.3131, 34.4797

Trichromacy



Original Color

20.9418, 22.4634, 66.8504

Protanomaly

21.6056, 21.6587, 63.3634

Deuteranomaly

21.8256, 22.2857, 67.4412

Tritanomaly

17.3613, 22.1843, 44.4413

Monochromacy



Original Color

20.9418, 22.4634, 66.8504

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.5262, 15.6626, 28.6958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9418, 22.4634, 66.8504 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 214) }
```

Border

The CSS property to change the border of an element to XYZ 20.9418, 22.4634, 66.8504 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, 214) }
```


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

```
.border{ border-color:rgb(0, 136, 214) }
```

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, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9418, 22.4634, 66.8504 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, 214) }
```

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

```
.background{ background-color: rgb(0, 136,  
214) }
```

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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