

Converting Colors

XYZ(20.8086, 22.4255, 66.0988)

Have a look what the booklet for
XYZ(20.8086, 22.4255, 66.0988)
contains.

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Color

**XYZ(20.8144, 22.4124,
66.1798)**

Conversions

Conversions Part 1

Format	Color
Hex	0088D5
RGB	0, 136, 213
RGB Percent	0%, 53%, 84%
CMY	0.9998, 0.4667, 0.1647
CMYK	1.00, 0.36, 0.00, 0.16
HSL	202°, 100%, 42%
HSV	202°, 100%, 84%
XYZ	20.8144, 22.4124, 66.1798
YIQ	104.1140, -105.7730, -4.8850

Conversions

Conversions Part 2

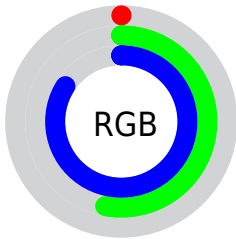
Format	Color
RYB	0, 83, 213
Decimal	35029
CIELab	54.46, -2.34, -47.93
CIELCh	54, 47.986, 267.209
Yxy	22.4124, 0.1902, 0.2049
Android (android.graphics.Color)	4278225109 (0xFF0088D5)
YUV	104.1140, 53.6808, -91.3080
Hunter-Lab	47.3417, -4.3682, -49.7433

Details

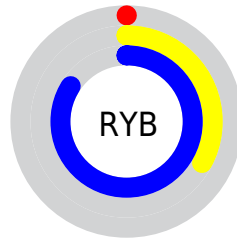
The XYZ color **20.8144, 22.4124, 66.1798** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **30.0985, 19.4612, 2.1715**, and the grayscale version is **13.0741, 13.7550, 14.9792**.

A 20% lighter version of the original color is **41.6144, 46.3819, 101.3670**, and **9.5798, 9.2850, 33.6350** is the 20% darker color. If you saturate the color by 10%, you get **20.8120, 22.4075, 66.1795**, and if you desaturate by 10%, it is **22.2554, 24.8241, 66.5699**.

Distribution



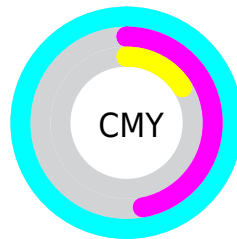
- Red (0%)
- Green (53%)
- Blue (84%)



- 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 20.8144, 22.4124, 66.1798 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 20.8144, 22.4124, 66.1798 by changing the saturation by 10% instead.

■ 20.8144, 22.4124,
66.1798

■ 20.8144, 22.4124,
66.1798

249.0409,
264.6924, 465.4414

■ 13.1001, 14.1602,
47.9610

■ 44.2720, 47.4267,
115.3738

■ 7.5750, 8.2322,
33.4362

■ 60.7461, 64.9576,
147.1861

■ 3.8737, 4.2439,
22.1870

■ 80.8708, 86.3502,
184.3666

■ 1.6309, 1.8109,
13.7947

■ 105.0114,
111.9888, 227.3338

■ 0.4124, 0.4940,
7.8409

■ 133.5334,
142.2580, 276.5064

■ 0.0000, 0.0000,
3.9070

166.8021,

■ 0.0000, 0.0000,

177.5421, 332.3028

1.5745

205.1828,
218.2254, 395.1417

■ 0.0000, 0.0000,
0.2725

■ 0.0000, 0.0000,
0.0000

■ 20.8144, 22.4124,
66.1798

■ 20.8144, 22.4124,
66.1798

■ 20.8120, 22.4075,
66.1795

■ 22.2554, 24.8241,
66.5699

■ 24.1239, 27.5739,
67.0022

■ 26.5380, 30.7254,
67.4832

■ 29.5632, 34.3145,
68.0165

■ 33.2548, 38.3718,
68.6051

■ 37.6615, 42.9247,
69.2516

■ 42.8273, 47.9976,
69.9585

■ 48.7921, 53.6133,
70.7281

■ 55.5932, 59.7929,
71.5624

Harmonies

Analogous

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



16.2885, 22.4124, 57.6779



20.8144, 22.4124, 66.1798



26.2606, 22.4124, 60.2128

Triad

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



20.8144, 22.4124, 66.1798



31.6030, 22.4124, 13.4255



13.8917, 22.4124, 11.8536

Complementary

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



20.8144, 22.4124, 66.1798



30.0985, 19.4612, 2.1715

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.



17.0111, 22.4124, 6.6621



20.8144, 22.4124, 66.1798



27.2519, 22.4124, 7.2725

Square

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



20.8144, 22.4124, 66.1798



33.0627, 22.4124, 25.8387



21.7978, 22.4124, 5.4168



12.7250, 22.4124, 23.0220

Rectangle

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



20.8144, 22.4124, 66.1798



29.6042, 22.4124, 49.7902



21.7978, 22.4124, 5.4168



14.7186, 22.4124, 9.5586

Sweetspot

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



20.8153, 22.4131, 66.1804



64.0868, 71.8678, 105.1019



25.0509, 48.0915, 14.5444



12.9823, 14.6691, 22.3971



0.0000, 0.0000, 0.0000



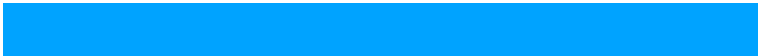
20.3446, 21.4041, 23.3091

Same Dimension

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



20.8153, 22.4131, 66.1804



31.1109, 33.3418, 99.4036



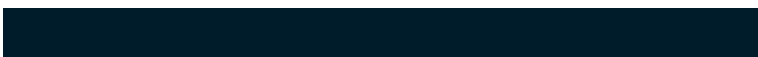
12.5273, 5.8371, 63.4177



12.3970, 13.3174, 15.8546



12.8128, 13.8874, 40.4584



0.8501, 0.9922, 2.4660

Inverse Universe

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



31.8854, 15.9250, 24.6862



47.8325, 23.8970, 36.6458



43.9768, 47.2178, 6.7976



12.7536, 12.5529, 14.6427



19.5262, 9.7468, 15.3408



1.2167, 0.6035, 1.1307

Previews

White Background



This preview shows how the XYZ color 20.8144, 22.4124, 66.1798 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 20.8144, 22.4124, 66.1798 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

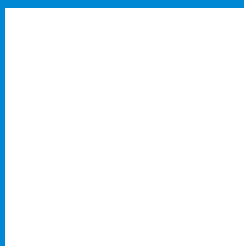
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8144, 22.4124, 66.1798

Background



This preview shows how black text looks on a background with the XYZ color 20.8144, 22.4124, 66.1798.



This preview shows how white text looks on a background with the XYZ color 20.8144, 22.4124,

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

20.8144, 22.4124, 66.1798

Protanopia

23.8643, 22.2958, 60.8033

Deuteranopia

23.0219, 22.3162, 66.7124



Tritanopia

15.8060, 22.2796, 34.0392

Trichromacy



Original Color

20.8144, 22.4124, 66.1798

Protanomaly

21.4822, 21.6093, 62.7133

Deuteranomaly

21.6078, 21.9859, 66.7232

Tritanomaly

17.2627, 22.1449, 43.9220

Monochromacy



Original Color

20.8144, 22.4124, 66.1798

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 20.8144, 22.4124, 66.1798 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 213) }
```

Border

The CSS property to change the border of an element to XYZ 20.8144, 22.4124, 66.1798 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, 213) }
```


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

```
.border{ border-color:rgb(0, 136, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8144, 22.4124, 66.1798 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, 213) }
```

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

```
.background{ background-color: rgb(0, 136,  
213) }
```

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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