

Converting Colors

XYZ(18.3796, 20.5564, 70.0171)

Have a look what the booklet for
XYZ(18.3796, 20.5564, 70.0171)
contains.

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Color

**XYZ(21.3113, 22.1647,
70.1728)**

Conversions

Conversions Part 1

Format	Color
Hex	0086DB
RGB	0, 134, 219
RGB Percent	0%, 53%, 86%
CMY	0.9998, 0.4745, 0.1412
CMYK	1.00, 0.39, 0.00, 0.14
HSL	203°, 100%, 43%
HSV	203°, 100%, 86%
XYZ	21.3113, 22.1647, 70.1728
YIQ	103.6240, -107.1490, -1.9730

Conversions

Conversions Part 2

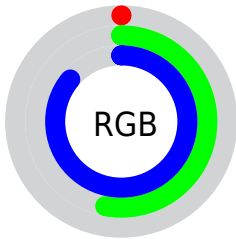
Format	Color
R _Y B	0, 83, 219
Decimal	34523
CIE Lab	54.20, 1.17, -51.72
CIE LCh	54, 51.732, 271.291
Yxy	22.1647, 0.1875, 0.1950
Android (android.graphics.Color)	4278224603 (0xFF0086DB)
YUV	103.6240, 56.8804, -90.8782
Hunter-Lab	47.0794, -1.5879, -55.4174

Details

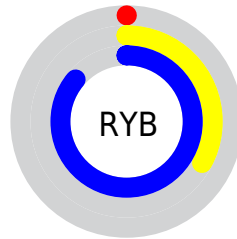
The XYZ color **21.3113, 22.1647, 70.1728** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **32.4667, 21.5659, 2.4530**, and the grayscale version is **12.9362, 13.6099, 14.8212**.

A 20% lighter version of the original color is **41.4138, 45.6442, 101.2352**, and **9.8594, 9.1413, 35.8951** is the 20% darker color. If you saturate the color by 10%, you get **21.3086, 22.1591, 70.1724**, and if you desaturate by 10%, it is **22.8642, 24.7807, 70.5964**.

Distribution



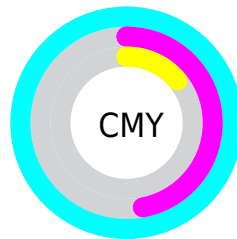
- Red (0%)
- Green (53%)
- Blue (86%)



- Red (0%)
- Yellow (33%)
- Blue (86%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (47%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3113, 22.1647, 70.1728 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 21.3113, 22.1647, 70.1728 by changing the saturation by 10% instead.

■ 21.3113, 22.1647,
70.1728

■ 21.3113, 22.1647,
70.1728

251.6288,
263.4052, 479.9620

■ 13.4655, 13.9780,
51.1897

■ 45.0924, 47.0181,
121.1386

■ 7.8291, 8.1053,
35.9819

■ 61.7585, 64.4535,
153.9584

■ 4.0366, 4.1624,
24.1306

■ 82.0953, 85.7406,
192.2275

■ 1.7229, 1.7648,
15.2174

■ 106.4683,
111.2638, 236.3645

■ 0.4705, 0.4651,
8.8238

■ 135.2428,
141.4074, 286.7879

■ 0.0000, 0.0000,
4.5312

168.7841,

■ 0.0000, 0.0000,

176.5559, 343.9163

1.9211

207.4577,
217.0937, 408.1681

■ 0.0000, 0.0000,
0.5061

■ 0.0000, 0.0000,
0.0000

■ 21.3113, 22.1647,
70.1728

■ 21.3113, 22.1647,
70.1728

■ 21.3086, 22.1591,
70.1724

■ 22.8642, 24.7807,
70.5964

■ 24.8862, 27.7817,
71.0691

■ 27.5021, 31.2354,
71.5978

■ 30.7826, 35.1812,
72.1866

■ 34.7873, 39.6527,
72.8386

■ 39.5688, 44.6799,
73.5569

■ 45.1745, 50.2898,
74.3443

■ 51.6476, 56.5075,
75.2032

■ 59.0281, 63.3562,
76.1362

Harmonies

Analogous

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



16.2912, 22.1647, 62.7200



21.3113, 22.1647, 70.1728



27.1920, 22.1647, 61.4111

Triad

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



21.3113, 22.1647, 70.1728



31.7148, 22.1647, 11.3651



12.9401, 22.1647, 12.1120

Complementary

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



21.3113, 22.1647, 70.1728



32.4667, 21.5659, 2.4530

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.



15.9385, 22.1647, 6.1724



21.3113, 22.1647, 70.1728



26.6951, 22.1647, 5.8957

Square

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



21.3113, 22.1647, 70.1728



33.8207, 22.1647, 23.4430



20.8243, 22.1647, 4.5332



12.0057, 22.1647, 24.8376

Rectangle

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



21.3113, 22.1647, 70.1728



30.6733, 22.1647, 49.1186



20.8243, 22.1647, 4.5332



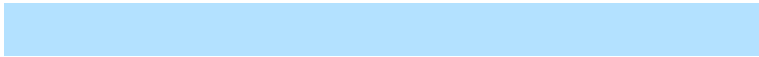
13.7102, 22.1647, 9.4935

Sweetspot

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



21.3122, 22.1654, 70.1734



63.5317, 70.7576, 104.9168



26.9320, 51.3036, 16.8674



12.8500, 14.4044, 22.3530



0.0000, 0.0000, 0.0000



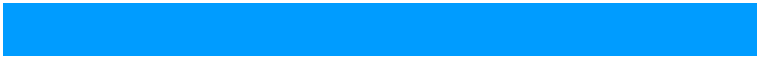
20.3446, 21.4041, 23.3091

Same Dimension

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



21.3122, 22.1654, 70.1734



29.9390, 30.9981, 99.0130



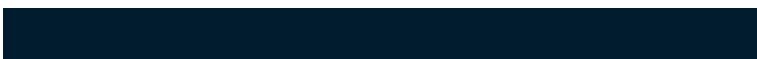
13.1475, 5.8360, 67.4518



12.9984, 13.9365, 16.6571



12.7441, 13.3577, 41.6450



0.9083, 1.0308, 2.7255

Inverse Universe

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



33.5174, 16.7826, 24.0275



47.2410, 23.6604, 33.5311



48.3851, 53.4026, 7.7591



13.3891, 13.1847, 15.3100



19.9280, 9.9722, 14.5326



1.3328, 0.6627, 1.1614

Previews

White Background



This preview shows how the XYZ color 21.3113, 22.1647, 70.1728 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 21.3113, 22.1647, 70.1728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

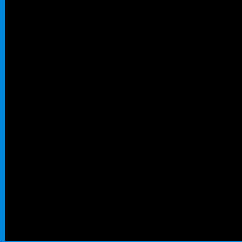
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3113, 22.1647, 70.1728

Background



This preview shows how black text looks on a background with the XYZ color 21.3113, 22.1647, 70.1728.



This preview shows how white text looks on a background with the XYZ color 21.3113, 22.1647,

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

21.3113, 22.1647, 70.1728

Protanopia

24.0638, 22.1081, 65.2863

Deuteranopia

22.8875, 22.1567, 70.7805

Trichromacy



Original Color

21.3113, 22.1647, 70.1728

Protanomaly

21.9795, 21.5675, 67.2945

Deuteranomaly

21.8713, 21.8312, 70.7713

Monochromacy



Original Color

21.3113, 22.1647, 70.1728

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.5658, 15.4950, 29.4700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3113, 22.1647, 70.1728 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, 134, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 219)  
}
```

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, 134, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 219) }
```

Border

The CSS property to change the border of an element to XYZ 21.3113, 22.1647, 70.1728 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, 134, 219) }
```

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

```
.border{ border-color:rgb(0, 134, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
219) }
```


Background

The CSS property to change the background color of an element to XYZ 21.3113, 22.1647, 70.1728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 219) }
```

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

```
.background{ background-color: rgb(0, 134,  
219) }
```

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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