

Converting Colors

XYZ(22.0373, 23.2658, 70.5552)

Have a look what the booklet for
XYZ(22.0373, 23.2658, 70.5552)
contains.

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Color

**XYZ(22.0717, 23.3930,
70.3698)**

Conversions

Conversions Part 1

Format	Color
Hex	0F8ADB
RGB	15, 138, 219
RGB Percent	6%, 54%, 86%
CMY	0.9410, 0.4588, 0.1412
CMYK	0.93, 0.37, 0.00, 0.14
HSL	204°, 87%, 46%
HSV	204°, 93%, 86%
XYZ	22.0717, 23.3930, 70.3698
YIQ	110.4570, -99.3090, -0.8850

Conversions

Conversions Part 2

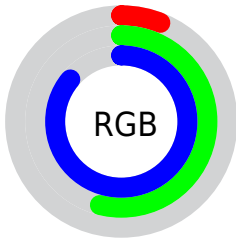
Format	Color
R_{YB}	15, 92, 219
Decimal	1018587
CIE _{Lab}	55.47, -0.75, -49.68
CIE _{LCh}	55, 49.691, 269.132
Yxy	23.3930, 0.1905, 0.2020
Android (android.graphics.Color)	4279208667 (0xFF0F8ADB)
YUV	110.4570, 53.5117, -83.7158
Hunter-Lab	48.3663, -3.1835, -52.4066

Details

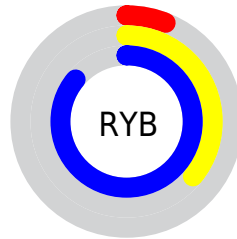
The XYZ color **22.0717, 23.3930, 70.3698** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **33.4871, 23.4686, 3.2185**, and the grayscale version is **14.8277, 15.5999, 16.9883**.

A 20% lighter version of the original color is **42.5065, 47.4849, 101.5329**, and **10.1832, 9.7891, 36.0031** is the 20% darker color. If you saturate the color by 10%, you get **21.0411, 21.6242, 70.0832**, and if you desaturate by 10%, it is **23.9341, 26.2806, 70.8295**.

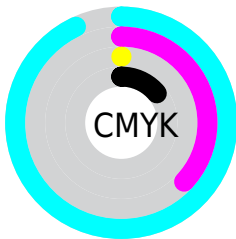
Distribution



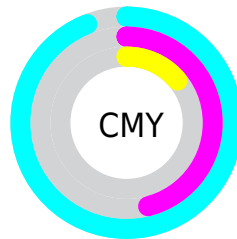
- Red (6%)
- Green (54%)
- Blue (86%)



- Red (6%)
- Yellow (36%)
- Blue (86%)



- Cyan (93%)
- Magenta (37%)
- Yellow (0%)
- Black (14%)



- Cyan (94%)
- Magenta (46%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0717, 23.3930, 70.3698 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 22.0717, 23.3930, 70.3698 by changing the saturation by 10% instead.

■ 22.0717, 23.3930,
70.3698

■ 22.0717, 23.3930,
70.3698

255.5458,
269.7371, 480.6715

■ 14.0265, 14.8840,
51.3494

■ 46.3424, 49.0378,
121.4220

■ 8.2209, 8.7380,
36.1081

■ 63.2987, 66.9424,
154.2909

■ 4.2896, 4.5707,
24.2273

■ 83.9560, 88.7476,
192.6131

■ 1.8673, 1.9976,
15.2886

■ 108.6797,
114.8379, 236.8070

■ 0.5577, 0.6061,
8.8733

■ 137.8352,
145.5976, 287.2913

■ 0.0000, 0.0000,
4.5630

171.7878,

■ 0.0000, 0.0000,

181.4111, 344.4845

1.9390

210.9029,
222.6628, 408.8050

■ 0.0000, 0.0000,
0.5174

■ 0.0000, 0.0000,
0.0000

■ 22.0717, 23.3930,
70.3698

■ 22.0717, 23.3930,
70.3698

■ 21.0411, 21.6242,
70.0832

■ 23.9341, 26.2806,
70.8295

■ 26.3681, 29.6143,
71.3447

■ 29.4500, 33.4370,
71.9201

■ 33.2426, 37.7841,
72.5593

■ 37.8007, 42.6870,
73.2654

■ 43.1733, 48.1738,
74.0413

■ 49.4048, 54.2703,
74.8896

■ 56.5365, 61.0007,
75.8129

■ 64.6066, 68.3874,
76.8133

Harmonies

Analogous

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



17.1587, 23.3930, 62.1279



22.0717, 23.3930, 70.3698



27.8938, 23.3930, 62.9778

Triad

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



22.0717, 23.3930, 70.3698



33.0182, 23.3930, 13.2230



14.2192, 23.3930, 12.7075

Complementary

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



22.0717, 23.3930, 70.3698



33.4871, 23.4686, 3.2185

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.



17.3974, 23.3930, 6.9236



22.0717, 23.3930, 70.3698



28.2236, 23.3930, 7.1213

Square

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



22.0717, 23.3930, 70.3698



34.8198, 23.3930, 25.9408



22.3978, 23.3930, 5.4147



13.1186, 23.3930, 25.0069

Rectangle

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



22.0717, 23.3930, 70.3698



31.4028, 23.3930, 51.4189



22.3978, 23.3930, 5.4147



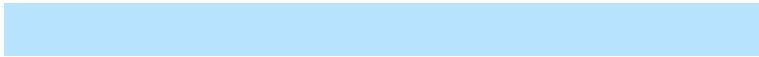
15.0505, 23.3930, 10.1616

Sweetspot

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



22.0726, 23.3937, 70.3704



65.0933, 72.1047, 105.0946



27.5153, 51.5597, 18.9107



13.1397, 14.6503, 22.3852



0.0000, 0.0000, 0.0000



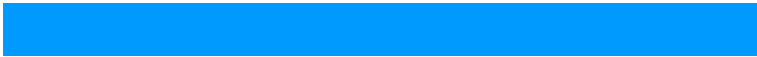
20.3446, 21.4041, 23.3091

Same Dimension

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



22.0726, 23.3937, 70.3704



29.5609, 30.2418, 98.8870



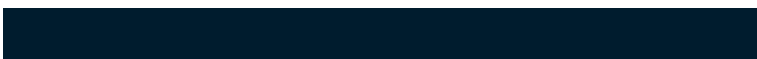
13.7043, 6.6569, 67.5810



12.9884, 13.9165, 16.6537



12.5860, 13.0414, 41.5923



0.8987, 1.0115, 2.7223

Inverse Universe

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



33.9726, 17.2381, 25.5819



47.0502, 23.5841, 32.5259



48.8614, 54.2173, 8.3433



13.3840, 13.1827, 15.2834



19.8482, 9.9403, 14.1124



1.3279, 0.6608, 1.1357

Previews

White Background



This preview shows how the XYZ color 22.0717, 23.3930, 70.3698 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 22.0717, 23.3930, 70.3698 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

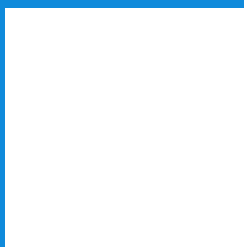
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0717, 23.3930, 70.3698

Background



This preview shows how black text looks on a background with the XYZ color 22.0717, 23.3930, 70.3698.



This preview shows how white text looks on a background with the XYZ color 22.0717, 23.3930,

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

22.0717, 23.3930, 70.3698

Protanopia

24.9750, 23.1704, 64.7840

Deuteranopia

24.0535, 23.3588, 70.9511



Tritanopia

16.5195, 23.3018, 35.5253

Trichromacy



Original Color

22.0717, 23.3930, 70.3698

Protanomaly

22.9147, 22.6597, 66.7843

Deuteranomaly

22.9984, 23.2253, 70.9809

Tritanomaly

18.2741, 23.2741, 46.7092

Monochromacy



Original Color

22.0717, 23.3930, 70.3698

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.1231, 17.1308, 31.3637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0717, 23.3930, 70.3698 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(15, 138, 219)` looks like.

```
.text, #text, p{  
    color:rgb(15, 138, 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(15, 138, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 138, 219) }
```

Border

The CSS property to change the border of an element to XYZ 22.0717, 23.3930, 70.3698 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(15, 138, 219) }
```


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

```
.border{ border-color:rgb(15, 138, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 138, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 138, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 138, 219);  
box-shadow:4px 4px 4px 4px rgb(15, 138,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0717, 23.3930, 70.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 138, 219) }
```

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

```
.background{ background-color: rgb(15, 138,  
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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