

Converting Colors

XYZ(30.0545, 32.9878, 90.6747)

Have a look what the booklet for
XYZ(30.0545, 32.9878, 90.6747)
contains.

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Color

**XYZ(30.0220, 33.0331,
90.3817)**

Conversions

Conversions Part 1

Format	Color
Hex	20A3F4
RGB	32, 163, 244
RGB Percent	13%, 64%, 96%
CMY	0.8744, 0.3608, 0.0431
CMYK	0.87, 0.33, 0.00, 0.04
HSL	203°, 91%, 54%
HSV	203°, 87%, 96%
XYZ	30.0220, 33.0331, 90.3817
YIQ	133.0650, -104.0770, -2.5810

Conversions

Conversions Part 2

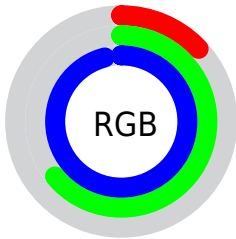
Format	Color
R _Y B	32, 113, 244
Decimal	2139124
CIE Lab	64.19, -5.12, -49.71
CIE LCh	64, 49.970, 264.118
Yxy	33.0331, 0.1957, 0.2153
Android (android.graphics.Color)	4280329204 (0xFF20A3F4)
YUV	133.0650, 54.6910, -88.6340
Hunter-Lab	57.4744, -7.3401, -53.0047

Details

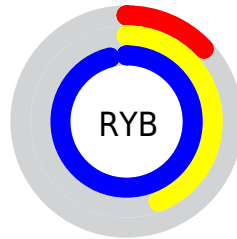
The XYZ color **30.0220, 33.0331, 90.3817** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **43.4778, 31.1541, 5.0903**, and the grayscale version is **22.1558, 23.3096, 25.3842**.

A 20% lighter version of the original color is **50.4575, 61.1447, 103.7505**, and **14.7638, 15.1762, 49.1649** is the 20% darker color. If you saturate the color by 10%, you get **27.9272, 29.5859, 89.8274**, and if you desaturate by 10%, it is **32.7987, 37.0139, 91.0044**.

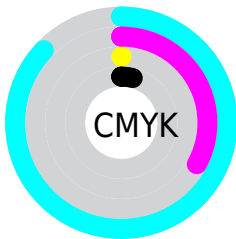
Distribution



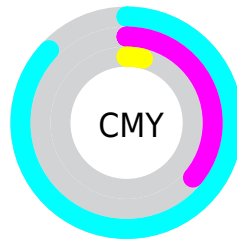
- Red (13%)
- Green (64%)
- Blue (96%)



- Red (13%)
- Yellow (44%)
- Blue (96%)



- Cyan (87%)
- Magenta (33%)
- Yellow (0%)
- Black (4%)



- Cyan (87%)
- Magenta (36%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0220, 33.0331, 90.3817 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 30.0220, 33.0331, 90.3817 by changing the saturation by 10% instead.

■ 30.0220, 33.0331,
90.3817

■ 30.0220, 33.0331,
90.3817

293.9150,
315.7989, 549.8738

■ 20.0034, 22.1518,
67.7218

■ 59.0834, 64.4272,
149.8086

■ 12.5058, 13.9685,
49.2061

■ 78.8569, 85.7088,
187.4127

■ 7.1638, 8.0987,
34.4163

■ 102.6127,
111.2260, 230.8352

■ 3.6120, 4.1582,
22.9336

■ 130.7163,
141.3631, 280.4948

■ 1.4851, 1.7624,
14.3397

■ 163.5330,
176.5045, 336.8099

■ 0.3156, 0.4636,
8.2158

201.4281,

■ 0.0000, 0.0000,

217.0347, 400.1991

4.1436

244.7670,
263.3380, 471.0809

■ 0.0000, 0.0000,
1.7045

■ 0.0000, 0.0000,
0.3638

■ 30.0220, 33.0331,
90.3817

■ 30.0220, 33.0331,
90.3817

■ 27.9272, 29.5859,
89.8274

■ 32.7987, 37.0139,
91.0044

■ 27.3578, 28.5887,
89.6650

■ 36.3641, 41.5858,
91.6990

■ 40.8067, 46.7986,
92.4710

■ 46.2014, 52.6943,
93.3247

■ 52.6142, 59.3106,
94.2637

■ 60.1049, 66.6815,
95.2917

■ 68.7285, 74.8386,
96.4116

■ 78.5359, 83.8116,
97.6267

■ 89.5749, 93.6280,
98.9396

Harmonies

Analogous

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



24.0726, 33.0331, 77.7231



30.0220, 33.0331, 90.3817



37.2966, 33.0331, 84.5967

Triad

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



30.0220, 33.0331, 90.3817



45.5381, 33.0331, 22.2691



21.6056, 33.0331, 17.6094

Complementary

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



30.0220, 33.0331, 90.3817



43.4778, 31.1541, 5.0903

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.



26.1548, 33.0331, 10.8232



30.0220, 33.0331, 90.3817



40.0740, 33.0331, 12.7189

Square

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



30.0220, 33.0331, 90.3817



46.9844, 33.0331, 40.1140



32.8133, 33.0331, 9.4492



19.7057, 33.0331, 32.1169

Rectangle

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



30.0220, 33.0331, 90.3817



41.8628, 33.0331, 71.8592



32.8133, 33.0331, 9.4492



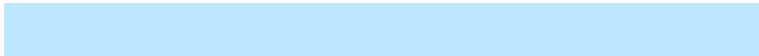
22.8393, 33.0331, 14.6057

Sweetspot

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



30.0233, 33.0342, 90.3826



67.1657, 74.4080, 105.4299



35.7485, 66.1299, 25.5612



13.7236, 15.2949, 22.4789



0.0000, 0.0000, 0.0000



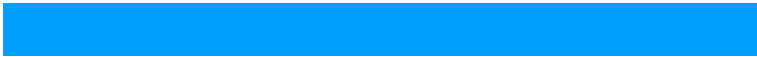
20.3446, 21.4041, 23.3091

Same Dimension

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



30.0233, 33.0342, 90.3826



30.2018, 31.5235, 99.1006



18.5570, 10.1015, 86.5605



16.4339, 17.6320, 21.0797



15.0117, 15.8171, 48.7998



1.4185, 1.5884, 4.3221

Inverse Universe

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



44.4368, 22.9122, 36.7315



47.3737, 23.7135, 34.2294



62.0584, 68.3152, 11.2838



16.9296, 16.6547, 19.3757



23.3817, 11.6961, 17.2503



2.1050, 1.0480, 1.7796

Previews

White Background



This preview shows how the XYZ color 30.0220, 33.0331, 90.3817 looks on a white background.

Color Contrast Check

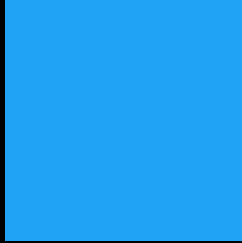
Large Text (above 18pt) WCAG AA × Fail

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 30.0220, 33.0331, 90.3817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

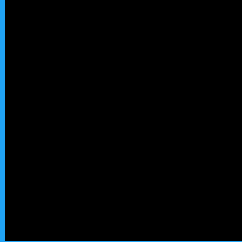
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

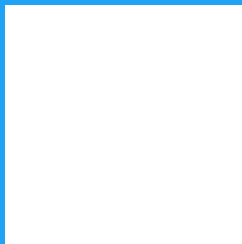
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0220, 33.0331, 90.3817

Background



This preview shows how black text looks on a background with the XYZ color 30.0220, 33.0331, 90.3817.



This preview shows how white text looks on a background with the XYZ color 30.0220, 33.0331,

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

30.0220, 33.0331, 90.3817

Protanopia

34.5370, 32.7570, 82.3443

Deuteranopia

33.8354, 32.9213, 91.7599



Tritanopia

23.4043, 32.9657, 50.4769

Trichromacy



Original Color

30.0220, 33.0331, 90.3817

Protanomaly

31.6355, 32.1741, 85.4318

Deuteranomaly

31.7689, 32.6241, 91.0089

Tritanomaly

25.4802, 32.9103, 63.4019

Monochromacy



Original Color

30.0220, 33.0331, 90.3817

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.3400, 25.4504, 43.2701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0220, 33.0331, 90.3817 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(32, 163, 244)` looks like.

```
.text, #text, p{  
    color:rgb(32, 163, 244)  
}
```

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(32, 163, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 163, 244) }
```

Border

The CSS property to change the border of an element to XYZ 30.0220, 33.0331, 90.3817 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(32, 163, 244) }
```


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

```
.border{ border-color:rgb(32, 163, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 163, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 163, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 163, 244);  
box-shadow:4px 4px 4px 4px rgb(32, 163,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0220, 33.0331, 90.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 163, 244) }
```

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

```
.background{ background-color: rgb(32, 163,  
244) }
```

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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