

Converting Colors

XYZ(30.0952, 34.1768, 89.0150)

Have a look what the booklet for
XYZ(30.0952, 34.1768, 89.0150)
contains.

XYZ(30.0952, 34.1768, 89.0150)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.0952, 34.1768,
89.0150)**

Conversions

Conversions Part 1

Format	Color
Hex	12A7F2
RGB	18, 167, 242
RGB Percent	7%, 65%, 95%
CMY	0.9292, 0.3451, 0.0510
CMYK	0.93, 0.31, 0.00, 0.05
HSL	200°, 90%, 51%
HSV	200°, 93%, 95%
XYZ	30.0952, 34.1768, 89.0150
YIQ	130.9990, -112.8790, -8.2630

Conversions

Conversions Part 2

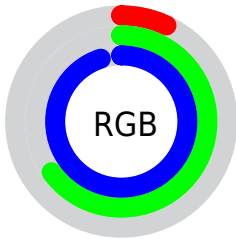
Format	Color
R _Y B	18, 107, 242
Decimal	1222642
CIE Lab	65.10, -8.79, -47.18
CIE LCh	65, 47.989, 259.448
Yxy	34.1768, 0.1963, 0.2230
Android (android.graphics.Color)	4279412722 (0xFF12A7F2)
YUV	130.9990, 54.7235, -99.1001
Hunter-Lab	58.4609, -10.4163, -49.3547

Details

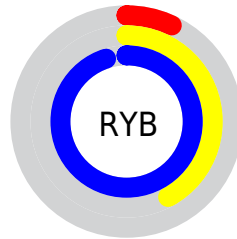
The XYZ color **30.0952, 34.1768, 89.0150** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **40.6463, 26.7582, 3.5969**, and the grayscale version is **21.4182, 22.5337, 24.5392**.

A 20% lighter version of the original color is **50.8534, 62.9073, 104.0698**, and **14.8877, 15.7643, 48.1571** is the 20% darker color. If you saturate the color by 10%, you get **28.7646, 31.8858, 88.6436**, and if you desaturate by 10%, it is **32.3428, 37.6095, 89.5599**.

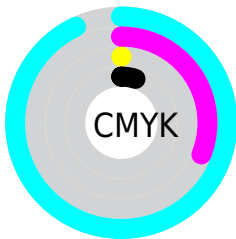
Distribution



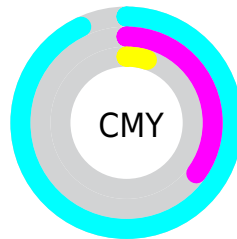
- Red (7%)
- Green (65%)
- Blue (95%)



- Red (7%)
- Yellow (42%)
- Blue (95%)



- Cyan (93%)
- Magenta (31%)
- Yellow (0%)
- Black (5%)



- Cyan (93%)
- Magenta (35%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0952, 34.1768, 89.0150 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 30.0952, 34.1768, 89.0150 by changing the saturation by 10% instead.

■ 30.0952, 34.1768,
89.0150

■ 30.0952, 34.1768,
89.0150

294.2498,
320.9197, 545.3087

■ 20.0593, 23.0295,
66.5949

■ 59.1983, 66.2085,
147.8930

■ 12.5467, 14.6153,
48.2959

■ 78.9962, 87.8617,
185.1879

■ 7.1920, 8.5498,
33.6997

■ 102.7788,
113.7856, 228.2782

■ 3.6298, 4.4487,
22.3875

■ 130.9114,
144.3646, 277.5823

■ 1.4949, 1.9276,
13.9408

■ 163.7595,
179.9831, 333.5189

■ 0.3224, 0.5649,
7.9413

201.6884,

■ 0.0000, 0.0000,

221.0255, 396.5065

3.9701

245.0634,
267.8762, 466.9635

■ 0.0000, 0.0000,
1.6090

■ 0.0000, 0.0000,
0.2972

■ 30.0952, 34.1768,
89.0150

■ 30.0952, 34.1768,
89.0150

■ 28.7646, 31.8858,
88.6436

■ 32.3428, 37.6095,
89.5599

■ 35.2811, 41.5385,
90.1634

■ 39.0064, 46.0161,
90.8313

■ 43.5974, 51.0853,
91.5678

■ 49.1225, 56.7836,
92.3764

■ 55.6429, 63.1447,
93.2606

■ 63.2142, 70.1996,
94.2233

■ 71.8878, 77.9768,
95.2673

■ 81.7116, 86.5030,
96.3952

Harmonies

Analogous

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



24.5397, 34.1768, 74.5745



30.0952, 34.1768, 89.0150



37.1449, 34.1768, 86.2923

Triad

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



30.0952, 34.1768, 89.0150



46.8020, 34.1768, 25.8585



23.3427, 34.1768, 17.4482

Complementary

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



30.0952, 34.1768, 89.0150



40.6463, 26.7582, 3.5969

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.



28.2304, 34.1768, 11.5155



30.0952, 34.1768, 89.0150



41.9809, 34.1768, 15.0330

Square

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



30.0952, 34.1768, 89.0150



47.4904, 34.1768, 44.6792



34.9960, 34.1768, 10.8261



21.0274, 34.1768, 30.6281

Rectangle

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



30.0952, 34.1768, 89.0150



41.7469, 34.1768, 75.3315



34.9960, 34.1768, 10.8261



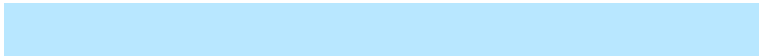
24.7039, 34.1768, 14.7751

Sweetspot

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



30.0965, 34.1779, 89.0159



66.3223, 74.5626, 105.5042



33.9652, 64.4189, 20.9301



13.4362, 15.2435, 22.4841



0.0000, 0.0000, 0.0000



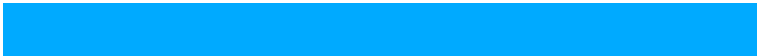
20.3446, 21.4041, 23.3091

Same Dimension

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



30.0965, 34.1779, 89.0159



32.3505, 35.8210, 99.8168



17.6615, 9.3079, 84.8709



15.7755, 16.9852, 20.1686



15.5834, 17.3911, 47.6634



1.3876, 1.6292, 3.9955

Inverse Universe

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



43.8105, 22.1016, 38.5169



48.4582, 24.1473, 39.9406



58.4816, 62.4287, 9.5420



16.2161, 15.9362, 18.6944



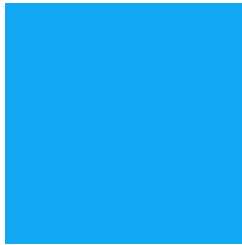
23.1914, 11.5490, 19.4564



1.9753, 0.9792, 1.8610

Previews

White Background



This preview shows how the XYZ color 30.0952, 34.1768, 89.0150 looks on a white background.

Color Contrast Check

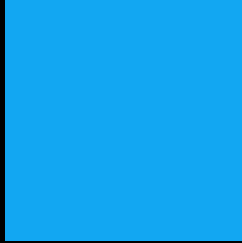
Large Text (above 18pt) WCAG AA × Fail

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 30.0952, 34.1768, 89.0150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

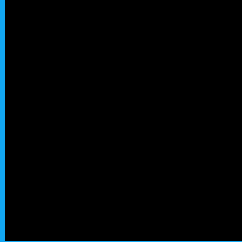
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

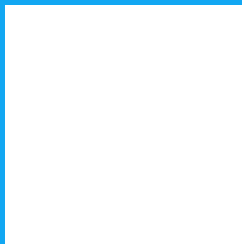
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0952, 34.1768, 89.0150

Background



This preview shows how black text looks on a background with the XYZ color 30.0952, 34.1768, 89.0150.

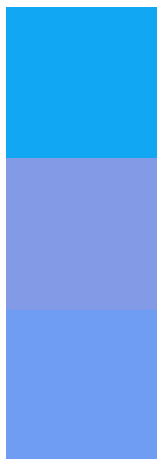


This preview shows how white text looks on a background with the XYZ color 30.0952, 34.1768,

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

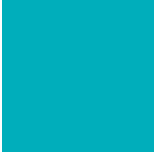
30.0952, 34.1768, 89.0150

Protanopia

35.3395, 33.7060, 80.2446

Deuteranopia

34.9416, 34.0251, 90.3138



Tritanopia

24.1057, 33.8600, 52.2788

Trichromacy



Original Color

30.0952, 34.1768, 89.0150

Protanomaly

31.6100, 32.9681, 83.2947

Deuteranomaly

31.9831, 33.5386, 89.5819

Tritanomaly

25.9130, 33.6760, 64.1658

Monochromacy



Original Color

30.0952, 34.1768, 89.0150

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.5404, 25.0605, 42.2299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0952, 34.1768, 89.0150 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(18, 167, 242)` looks like.

```
.text, #text, p{  
    color:rgb(18, 167, 242)  
}
```

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(18, 167, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 167, 242) }
```

Border

The CSS property to change the border of an element to XYZ 30.0952, 34.1768, 89.0150 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(18, 167, 242) }
```


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

```
.border{ border-color:rgb(18, 167, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 167, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 167, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 167, 242);  
box-shadow:4px 4px 4px 4px rgb(18, 167,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0952, 34.1768, 89.0150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 167, 242) }
```

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

```
.background{ background-color: rgb(18, 167,  
242) }
```

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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