

Converting Colors

XYZ(29.5453, 30.2561, 96.7532)

Have a look what the booklet for
XYZ(29.5453, 30.2561, 96.7532)
contains.

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Color

**XYZ(29.5272, 30.3462,
96.3966)**

Conversions

Conversions Part 1

Format	Color
Hex	199AFC
RGB	25, 154, 252
RGB Percent	10%, 60%, 99%
CMY	0.9018, 0.3961, 0.0118
CMYK	0.90, 0.39, 0.00, 0.01
HSL	206°, 97%, 54%
HSV	206°, 90%, 99%
XYZ	29.5272, 30.3462, 96.3966
YIQ	126.6010, -108.3420, 3.1300

Conversions

Conversions Part 2

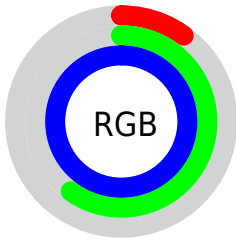
Format	Color
R _Y B	25, 107, 252
Decimal	1678076
CIE Lab	61.95, 2.64, -57.64
CIE LCh	62, 57.703, 272.618
Yxy	30.3462, 0.1889, 0.1942
Android (android.graphics.Color)	4279868156 (0xFF199AFC)
YUV	126.6010, 61.8217, -89.1041
Hunter-Lab	55.0874, -0.7258, -65.1895

Details

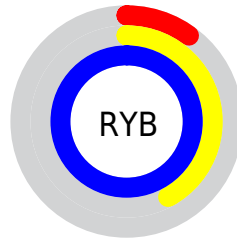
The XYZ color **29.5272, 30.3462, 96.3966** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **47.4085, 34.9408, 5.1673**, and the grayscale version is **19.8622, 20.8966, 22.7564**.

A 20% lighter version of the original color is **47.8083, 56.0448, 102.9057**, and **14.8006, 13.8408, 53.5212** is the 20% darker color. If you saturate the color by 10%, you get **27.4220, 26.7306, 95.8104**, and if you desaturate by 10%, it is **32.3318, 34.5803, 97.0667**.

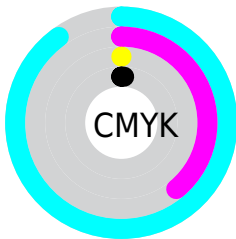
Distribution



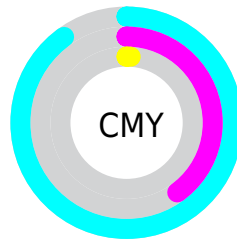
- Red (10%)
- Green (60%)
- Blue (99%)



- Red (10%)
- Yellow (42%)
- Blue (99%)



- Cyan (90%)
- Magenta (39%)
- Yellow (0%)
- Black (1%)



- Cyan (90%)
- Magenta (40%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5272, 30.3462, 96.3966 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 29.5272, 30.3462, 96.3966 by changing the saturation by 10% instead.

■ 29.5272, 30.3462,
96.3966

■ 29.5272, 30.3462,
96.3966

291.6439,
303.5149, 569.7246

■ 19.6263, 20.1015,
72.6946

■ 58.3054, 60.2092,
158.2048

■ 12.2304, 12.4689,
53.2360

■ 77.9135, 80.5964,
197.1481

■ 6.9741, 7.0638,
37.6022

■ 101.4879,
105.1331, 242.0089

■ 3.4921, 3.5021,
25.3746

■ 129.3942,
134.2039, 293.2058

■ 1.4190, 1.3991,
16.1348

■ 161.9975,
168.1931, 351.1572

■ 0.2697, 0.2161,
9.4642

199.6634,

■ 0.0000, 0.0000,

207.4850, 416.2818

4.9443

242.7570,
252.4641, 488.9981

■ 0.0000, 0.0000,
2.1564

■ 0.0000, 0.0000,
0.6491

■ 29.5272, 30.3462,
96.3966

■ 29.5272, 30.3462,
96.3966

■ 27.4220, 26.7306,
95.8104

■ 32.3318, 34.5803,
97.0667

■ 35.9857, 39.4998,
97.8237

■ 40.5921, 45.1640,
98.6742

■ 46.2367, 51.6231,
99.6235

■ 52.9953, 58.9213,
100.6759

■ 60.9356, 67.0992,
101.8359

■ 70.1196, 76.1939,
103.1073

■ 80.6050, 86.2401,
104.4938

■ 92.4454, 97.2705,
105.9988

Harmonies

Analogous

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



22.5342, 30.3462, 87.0697



29.5272, 30.3462, 96.3966



37.6177, 30.3462, 83.4138

Triad

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



29.5272, 30.3462, 96.3966



43.2575, 30.3462, 15.0010



17.5578, 30.3462, 17.0789

Complementary

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



29.5272, 30.3462, 96.3966



47.4085, 34.9408, 5.1673

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.



21.5517, 30.3462, 8.5959



29.5272, 30.3462, 96.3966



36.2318, 30.3462, 7.8278

Square

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



29.5272, 30.3462, 96.3966



46.3802, 30.3462, 31.1359



28.1698, 30.3462, 6.1549



16.3995, 30.3462, 35.0240

Rectangle

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



29.5272, 30.3462, 96.3966



42.3357, 30.3462, 66.2007



28.1698, 30.3462, 6.1549



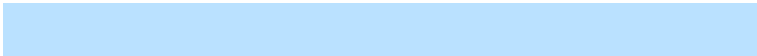
18.5732, 30.3462, 13.3533

Sweetspot

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



29.5285, 30.3471, 96.3974



65.3349, 71.6753, 104.9989



38.5787, 71.1750, 29.3487



13.3293, 14.6839, 22.3817



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.



29.5285, 30.3471, 96.3974



28.1594, 27.4387, 98.4198



18.8715, 9.0331, 92.8451



17.1017, 18.2802, 22.0124



14.4337, 14.2229, 49.9581



1.4421, 1.5279, 4.6621

Inverse Universe

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



46.3264, 23.7256, 32.7103



46.3427, 23.3011, 28.8007



69.4846, 79.0931, 12.5261



17.6579, 17.3905, 20.0540



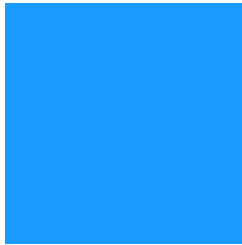
23.5775, 11.8467, 15.0153



2.2368, 1.1185, 1.6706

Previews

White Background



This preview shows how the XYZ color 29.5272, 30.3462, 96.3966 looks on a white background.

Color Contrast Check

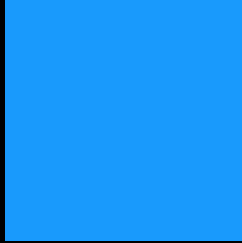
Large Text (above 18pt) WCAG AA × Fail

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 29.5272, 30.3462, 96.3966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

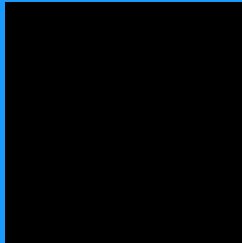
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

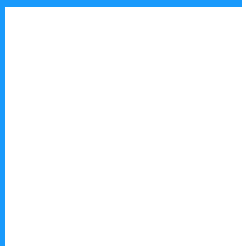
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5272, 30.3462, 96.3966

Background



This preview shows how black text looks on a background with the XYZ color 29.5272, 30.3462, 96.3966.



This preview shows how white text looks on a background with the XYZ color 29.5272, 30.3462,

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

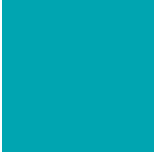
29.5272, 30.3462, 96.3966

Protanopia

32.7612, 30.0337, 89.6583

Deuteranopia

31.3085, 30.2823, 97.1234



Tritanopia

21.3909, 30.0846, 46.2745

Trichromacy



Original Color

29.5272, 30.3462, 96.3966

Protanomaly

30.5203, 29.5149, 92.0840

Deuteranomaly

30.3718, 30.0373, 97.1255

Tritanomaly

23.7566, 29.9074, 61.6474

Monochromacy



Original Color

29.5272, 30.3462, 96.3966

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.6085, 23.0435, 42.3914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5272, 30.3462, 96.3966 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(25, 154, 252)` looks like.

```
.text, #text, p{  
    color:rgb(25, 154, 252)  
}
```

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(25, 154, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 154, 252) }
```

Border

The CSS property to change the border of an element to XYZ 29.5272, 30.3462, 96.3966 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(25, 154, 252) }
```


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

```
.border{ border-color:rgb(25, 154, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 154, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 154, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 154, 252);  
box-shadow:4px 4px 4px 4px rgb(25, 154,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5272, 30.3462, 96.3966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 154, 252) }
```

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

```
.background{ background-color: rgb(25, 154,  
252) }
```

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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