

Converting Colors

XYZ(29.8229, 30.1494, 98.8553)

Have a look what the booklet for
XYZ(29.8229, 30.1494, 98.8553)
contains.

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Color

**XYZ(29.8672, 30.2221,
98.8670)**

Conversions

Conversions Part 1

Format	Color
Hex	1A99FF
RGB	26, 153, 255
RGB Percent	10%, 60%, 100%
CMY	0.8979, 0.4000, 0.0000
CMYK	0.90, 0.40, 0.00, 0.00
HSL	207°, 100%, 55%
HSV	207°, 90%, 100%
XYZ	29.8672, 30.2221, 98.8670
YIQ	126.6550, -108.4340, 4.7980

Conversions

Conversions Part 2

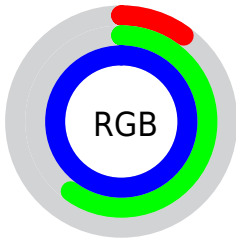
Format	Color
R _Y B	26, 108, 255
Decimal	1743359
CIE Lab	61.85, 4.39, -59.45
CIE LCh	62, 59.615, 274.222
Yxy	30.2221, 0.1879, 0.1901
Android (android.graphics.Color)	4279933439 (0xFF1A99FF)
YUV	126.6550, 63.2741, -88.2744
Hunter-Lab	54.9746, 0.7718, -68.1456

Details

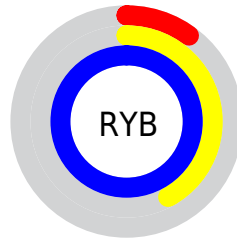
The XYZ color **29.8672, 30.2221, 98.8670** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **49.1504, 36.7819, 5.4884**, and the grayscale version is **19.8756, 20.9107, 22.7717**.

A 20% lighter version of the original color is **47.6989, 55.6276, 102.8309**, and **15.0433, 13.7777, 55.2926** is the 20% darker color. If you saturate the color by 10%, you get **27.6765, 26.4630, 98.2569**, and if you desaturate by 10%, it is **32.7825, 34.6181, 99.5619**.

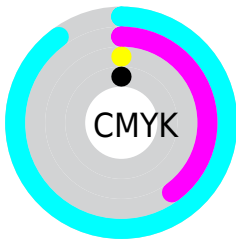
Distribution



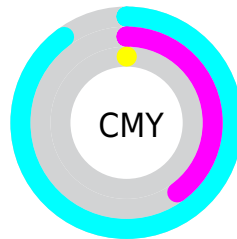
- Red (10%)
- Green (60%)
- Blue (100%)



- Red (10%)
- Yellow (42%)
- Blue (100%)



- Cyan (90%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8672, 30.2221, 98.8670 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 29.8672, 30.2221, 98.8670 by changing the saturation by 10% instead.

■ 29.8672, 30.2221,
98.8670

■ 29.8672, 30.2221,
98.8670

293.2059,
302.9383, 577.7696

■ 19.8854, 20.0072,
74.7431

■ 58.8402, 60.0132,
161.6376

■ 12.4195, 12.4003,
54.9020

■ 78.5620, 80.3583,
201.1213

■ 7.1043, 7.0169,
38.9252

■ 102.2613,
104.8489, 246.5620

■ 3.5743, 3.4727,
26.3941

■ 130.3033,
133.8694, 298.3783

■ 1.4643, 1.3832,
16.8903

■ 163.0534,
167.8042, 356.9887

■ 0.3013, 0.2043,
9.9952

200.8770,

■ 0.0000, 0.0000,

207.0377, 422.8116

5.2902

244.1393,
251.9543, 496.2658

■ 0.0000, 0.0000,
2.3568

■ 0.0000, 0.0000,
0.7628

■ 29.8672, 30.2221,
98.8670

■ 29.8672, 30.2221,
98.8670

■ 27.6765, 26.4630,
98.2569

■ 32.7825, 34.6181,
99.5619

■ 27.6345, 26.3889,
98.2448

■ 36.5840, 39.7405,
100.3502

■ 41.3777, 45.6509,
101.2384

■ 47.2521, 52.4015,
102.2318

■ 54.2852, 60.0388,
103.3353

■ 62.5470, 68.6049,
104.5532

■ 72.1017, 78.1389,
105.8899

■ 83.0085, 88.6771,
107.3491

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



22.5680, 30.2221, 90.2900



29.8672, 30.2221, 98.8670



38.2250, 30.2221, 84.1096

Triad

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



29.8672, 30.2221, 98.8670



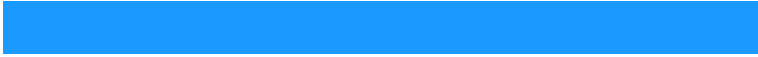
43.3359, 30.2221, 13.8936



17.0263, 30.2221, 17.2839

Complementary

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



29.8672, 30.2221, 98.8670



49.1504, 36.7819, 5.4884

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.



20.9462, 30.2221, 8.3357



29.8672, 30.2221, 98.8670



35.9113, 30.2221, 7.1090

Square

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



29.8672, 30.2221, 98.8670



46.8595, 30.2221, 29.7829



27.6127, 30.2221, 5.6877



16.0018, 30.2221, 36.2416

Rectangle

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



29.8672, 30.2221, 98.8670



43.0230, 30.2221, 65.7760



27.6127, 30.2221, 5.6877



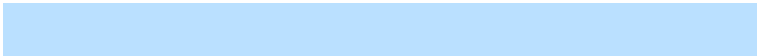
18.0082, 30.2221, 13.3518

Sweetspot

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



29.8683, 30.2230, 98.8671



65.0803, 71.1662, 104.9141



39.9048, 73.2272, 31.5180



13.2693, 14.5639, 22.3617



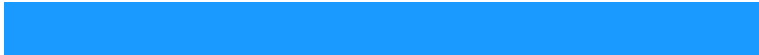
0.0000, 0.0000, 0.0000



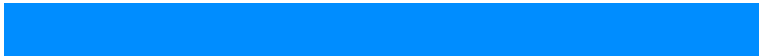
20.3446, 21.4041, 23.3091

Same Dimension

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



29.8683, 30.2230, 98.8671



27.6345, 26.3889, 98.2448



19.2802, 9.0467, 95.3378



17.8383, 19.0482, 22.9864



14.5910, 14.0915, 51.3855



1.5297, 1.5901, 5.0396

Inverse Universe

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



47.3600, 24.3003, 32.3318



46.0778, 23.1951, 27.4055



72.5092, 83.4994, 13.2747



18.4310, 18.1557, 20.8870



24.1530, 12.1505, 14.7223



2.4067, 1.2051, 1.7233

Previews

White Background



This preview shows how the XYZ color 29.8672, 30.2221, 98.8670 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 29.8672, 30.2221, 98.8670 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

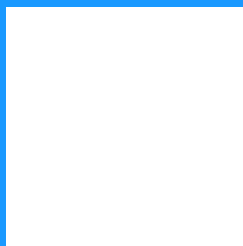
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8672, 30.2221, 98.8670

Background



This preview shows how black text looks on a background with the XYZ color 29.8672, 30.2221, 98.8670.



This preview shows how white text looks on a background with the XYZ color 29.8672, 30.2221,

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

29.8672, 30.2221, 98.8670

Protanopia

32.8578, 30.0304, 92.0603

Deuteranopia

31.2031, 30.1909, 98.7906



Tritanopia

21.2916, 30.0449, 45.7513

Trichromacy



Original Color

29.8672, 30.2221, 98.8670

Protanomaly

30.9058, 29.6597, 94.5385

Deuteranomaly

30.4818, 30.0570, 98.8028

Tritanomaly

23.8770, 29.9556, 62.2812

Monochromacy



Original Color

29.8672, 30.2221, 98.8670

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.6606, 22.8380, 43.3636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8672, 30.2221, 98.8670 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(26, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 153, 255)  
}
```

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(26, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.8672, 30.2221, 98.8670 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(26, 153, 255) }
```


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

```
.border{ border-color:rgb(26, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8672, 30.2221, 98.8670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 153, 255) }
```

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

```
.background{ background-color: rgb(26, 153,  
255) }
```

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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