

Converting Colors

XYZ(35.9201, 31.5720,
128.7460)

Have a look what the booklet for
XYZ(35.9201, 31.5720, 128.7460)
contains.

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Color

**XYZ(30.1612, 29.1841,
98.6512)**

Conversions

Conversions Part 1

Format	Color
Hex	3694FF
RGB	54, 148, 255
RGB Percent	21%, 58%, 100%
CMY	0.7882, 0.4196, 0.0000
CMYK	0.79, 0.42, 0.00, 0.00
HSL	212°, 100%, 61%
HSV	212°, 79%, 100%
XYZ	30.1612, 29.1841, 98.6512
YIQ	132.0920, -90.3710, 13.3490

Conversions

Conversions Part 2

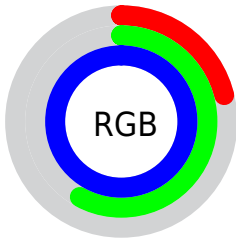
Format	Color
RYB	54, 118, 255
Decimal	3577087
CIELab	60.94, 9.39, -60.87
CIELCh	61, 61.586, 278.767
Yxy	29.1841, 0.1909, 0.1847
Android (android.graphics.Color)	4281767167 (0xFF3694FF)
YUV	132.0920, 60.5936, -68.4867
Hunter-Lab	54.0223, 5.1193, -70.4550

Details

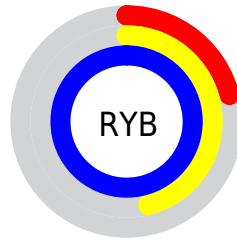
The XYZ color **30.1612, 29.1841, 98.6512** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **54.6538, 47.0216, 9.6876**, and the grayscale version is **21.7792, 22.9134, 24.9527**.

A 20% lighter version of the original color is **47.9899, 53.6604, 102.4359**, and **14.5607, 12.8126, 55.1317** is the 20% darker color. If you saturate the color by 10%, you get **27.1272, 24.6423, 97.9344**, and if you desaturate by 10%, it is **34.1635, 34.5963, 99.4849**.

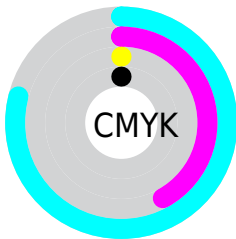
Distribution



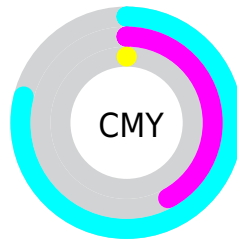
- Red (21%)
- Green (58%)
- Blue (100%)



- Red (21%)
- Yellow (46%)
- Blue (100%)



- Cyan (79%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (79%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1612, 29.1841, 98.6512 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 30.1612, 29.1841, 98.6512 by changing the saturation by 10% instead.

■ 30.1612, 29.1841,
98.6512

■ 30.1612, 29.1841,
98.6512

294.5515,
298.0826, 577.0693

■ 20.1097, 19.2201,
74.5640

■ 59.3019, 58.3695,
161.3381

■ 12.5835, 11.8294,
54.7562

■ 79.1218, 78.3596,
200.7748

■ 7.2174, 6.6277,
38.8093

■ 102.9284,
102.4607, 246.1651

■ 3.6460, 3.2303,
26.3047

■ 131.0873,
131.0570, 297.9275

■ 1.5039, 1.2531,
16.8239

163.9636,
164.5329, 356.4806

■ 0.3285, 0.1045,
9.9484

201.9229,

■ 0.0000, 0.0000,

203.2729, 422.2429

5.2596

245.3304,
247.6613, 495.6330

■ 0.0000, 0.0000,
2.3390

■ 0.0000, 0.0000,
0.7529

■ 30.1612, 29.1841,
98.6512

■ 30.1612, 29.1841,
98.6512

■ 27.1272, 24.6423,
97.9344

■ 34.1635, 34.5963,
99.4849

■ 24.9069, 20.8778,
97.3248

■ 39.2373, 40.9436,
100.4426

■ 24.6759, 20.4718,
97.2586

■ 45.4745, 48.2851,
101.5309

■ 52.9553, 56.6732,
102.7557

■ 61.7523, 66.1562,
104.1225

■ 71.9321, 76.7784,
105.6362

■ 83.5563, 88.5817,
107.3018

■ 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.



22.5102, 29.1841, 93.4524



30.1612, 29.1841, 98.6512



38.5830, 29.1841, 80.2788

Triad

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



30.1612, 29.1841, 98.6512



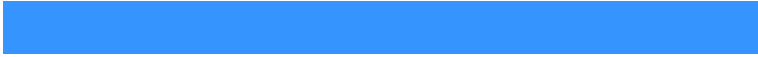
41.6156, 29.1841, 11.3403



15.6842, 29.1841, 18.2927

Complementary

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



30.1612, 29.1841, 98.6512



54.6538, 47.0216, 9.6876

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.



19.1443, 29.1841, 8.2537



30.1612, 29.1841, 98.6512



33.7197, 29.1841, 5.8009

Square

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



30.1612, 29.1841, 98.6512



45.9850, 29.1841, 25.4972



25.4493, 29.1841, 5.0368



15.0979, 29.1841, 39.0105

Rectangle

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



30.1612, 29.1841, 98.6512



43.1607, 29.1841, 60.6904



25.4493, 29.1841, 5.0368



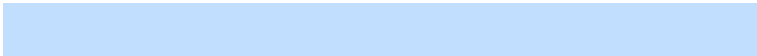
16.5125, 29.1841, 13.9099

Sweetspot

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



30.1623, 29.1849, 98.6513



66.4794, 71.1281, 104.8330



43.4415, 74.7685, 44.4259



13.4743, 14.4317, 22.3254



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.



30.1623, 29.1849, 98.6513



25.6773, 22.2336, 97.5459



21.0782, 10.7405, 95.5699



17.7033, 18.7782, 22.9414



13.0400, 10.9897, 50.8685



1.3778, 1.2863, 4.9889

Inverse Universe

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



47.9053, 26.0380, 30.5184



45.1487, 23.0487, 21.8187



76.4446, 92.4167, 17.3012



18.3629, 18.1285, 20.5281



23.3702, 11.8374, 10.5999



2.3301, 1.1744, 1.3196

Previews

White Background



This preview shows how the XYZ color 30.1612, 29.1841, 98.6512 looks on a white background.

Color Contrast Check

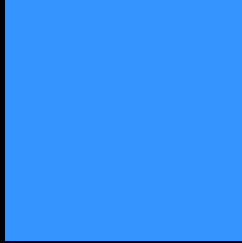
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.1612, 29.1841, 98.6512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

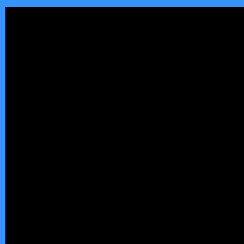
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

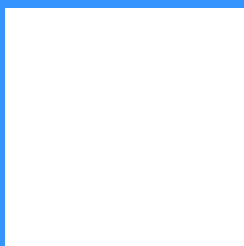
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1612, 29.1841, 98.6512

Background



This preview shows how black text looks on a background with the XYZ color 30.1612, 29.1841, 98.6512.



This preview shows how white text looks on a background with the XYZ color 30.1612, 29.1841,

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

30.1612, 29.1841, 98.6512

Protanopia

32.0739, 28.9008, 94.3304

Deuteranopia

30.2155, 29.2120, 98.6537



Tritanopia

20.5603, 28.8967, 44.5384

Trichromacy



Original Color

30.1612, 29.1841, 98.6512

Protanomaly

31.1112, 28.8138, 96.0173

Deuteranomaly

30.2155, 29.2120, 98.6537

Tritanomaly

23.1250, 28.5745, 60.7965

Monochromacy



Original Color

30.1612, 29.1841, 98.6512

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.7332, 24.2943, 45.0861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1612, 29.1841, 98.6512 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(54, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(54, 148, 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(54, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 148, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.1612, 29.1841, 98.6512 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(54, 148, 255) }
```


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

```
.border{ border-color:rgb(54, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(54, 148,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1612, 29.1841, 98.6512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 148, 255) }
```

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

```
.background{ background-color: rgb(54, 148,  
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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