

Converting Colors

XYZ(29.1468, 24.9891, 97.8949)

Have a look what the booklet for
XYZ(29.1468, 24.9891, 97.8949)
contains.

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Color

**XYZ(29.1468, 24.9891,
97.8949)**

Conversions

Conversions Part 1

Format	Color
Hex	4C83FF
RGB	76, 131, 255
RGB Percent	30%, 51%, 100%
CMY	0.7019, 0.4863, 0.0000
CMYK	0.70, 0.49, 0.00, 0.00
HSL	222°, 100%, 65%
HSV	222°, 70%, 100%
XYZ	29.1468, 24.9891, 97.8949
YIQ	128.6910, -72.5840, 26.9040

Conversions

Conversions Part 2

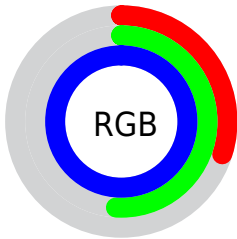
Format	Color
R_{YB}	76, 118, 255
Decimal	5014527
CIE _{Lab}	57.06, 22.24, -67.06
CIE _{LCh}	57, 70.650, 288.348
Yxy	24.9891, 0.1917, 0.1644
Android (android.graphics.Color)	4283204607 (0xFF4C83FF)
YUV	128.6910, 62.2703, -46.2100
Hunter-Lab	49.9891, 16.5958, -81.1167

Details

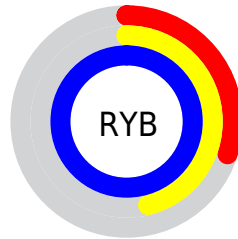
The XYZ color **29.1468, 24.9891, 97.8949** is a light color, and the websafe version is hex **3366CC**. The color can be described as light washed azure. A complement of this color would be **63.2018, 63.0957, 15.6872**, and the grayscale version is **20.5675, 21.6386, 23.5644**.

A 20% lighter version of the original color is **46.4851, 47.0163, 101.2328**, and **13.1713, 10.2177, 54.1013** is the 20% darker color. If you saturate the color by 10%, you get **25.3333, 19.7963, 97.0936**, and if you desaturate by 10%, it is **34.1691, 31.4059, 98.8688**.

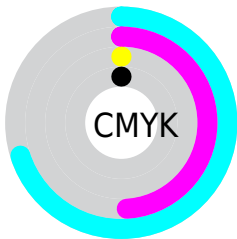
Distribution



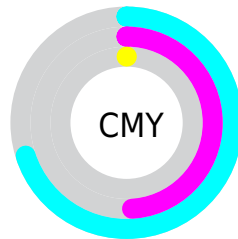
- Red (30%)
- Green (51%)
- Blue (100%)



- Red (30%)
- Yellow (46%)
- Blue (100%)



- Cyan (70%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1468, 24.9891, 97.8949 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 29.1468, 24.9891, 97.8949 by changing the saturation by 10% instead.

■ 29.1468, 24.9891,
97.8949

■ 29.1468, 24.9891,
97.8949

289.8887,
277.7837, 574.6111

■ 19.3367, 16.0689,
73.9366

■ 57.7062, 51.6395,
160.2878

■ 12.0193, 9.5729,
54.2457

■ 77.1862, 70.1386,
199.5595

■ 6.8291, 5.1167,
38.4036

■ 100.6203, 92.5994,
244.7728

■ 3.4008, 2.3159,
25.9918

■ 128.3738,
119.4064, 296.3461

■ 1.3691, 0.7821,
16.5918

160.8120,
150.9439, 354.6981

■ 0.2341, 0.0000,
9.7850

198.3003,

■ 0.0000, 0.0000,

187.5964, 420.2472

5.1529

241.2041,
229.7481, 493.4121

■ 0.0000, 0.0000,
2.2770

■ 0.0000, 0.0000,
0.7183

■ 29.1468, 24.9891,
97.8949

■ 29.1468, 24.9891,
97.8949

■ 25.3333, 19.7963,
97.0936

■ 34.1691, 31.4059,
98.8688

■ 22.6039, 15.7323,
96.4530

■ 40.5009, 39.1264,
100.0253

■ 20.7987, 12.7174,
95.9662

■ 48.2351, 48.2252,
101.3739

■ 57.4547, 58.7700,
102.9233

■ 68.2360, 70.8240,
104.6817

■ 80.6499, 84.4460,
106.6567

94.7629, 99.6920,
108.8557

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.



20.6670, 24.9891, 101.1802



29.1468, 24.9891, 97.8949



37.8089, 24.9891, 70.3832

Triad

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



29.1468, 24.9891, 97.8949



36.0375, 24.9891, 5.3349



11.2839, 24.9891, 18.9707

Complementary

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



29.1468, 24.9891, 97.8949



63.2018, 63.0957, 15.6872

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.



13.6979, 24.9891, 6.7153



29.1468, 24.9891, 97.8949



27.1283, 24.9891, 2.4914

Square

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



29.1468, 24.9891, 97.8949



42.3833, 24.9891, 15.1927



19.0666, 24.9891, 2.7833



11.5806, 24.9891, 44.3131

Rectangle

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



29.1468, 24.9891, 97.8949



41.9212, 24.9891, 47.8363



19.0666, 24.9891, 2.7833



11.7770, 24.9891, 13.5720

Sweetspot

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



29.1478, 24.9898, 97.8950



67.3045, 69.7918, 104.5316



48.9715, 77.1490, 65.9303



13.7422, 14.2003, 22.2666



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.



29.1478, 24.9898, 97.8950



24.1733, 18.1209, 96.8313



26.9206, 15.6307, 96.2059



17.4581, 18.2878, 22.8597



10.9830, 6.8755, 50.1828



1.1612, 0.8531, 4.9167

Inverse Universe

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



47.9220, 28.0692, 24.3651



44.6592, 23.8854, 16.0582



67.2460, 87.6009, 20.2041



18.2391, 18.0790, 19.8764



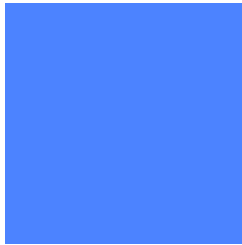
22.3319, 11.4220, 5.1322



2.2207, 1.1307, 0.7438

Previews

White Background



This preview shows how the XYZ color 29.1468, 24.9891, 97.8949 looks on a white background.

Color Contrast Check

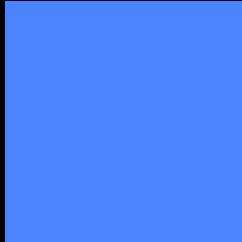
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1468, 24.9891, 97.8949 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

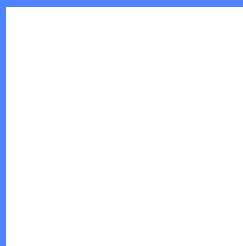
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1468, 24.9891, 97.8949

Background



This preview shows how black text looks on a background with the XYZ color 29.1468, 24.9891, 97.8949.



This preview shows how white text looks on a background with the XYZ color 29.1468, 24.9891,

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

29.1468, 24.9891, 97.8949

Protanopia

28.8271, 25.0246, 97.9186

Deuteranopia

25.5618, 24.9969, 89.0656



Tritanopia

17.6775, 24.7776, 38.5012

Trichromacy



Original Color

29.1468, 24.9891, 97.8949

Protanomaly

28.9738, 25.1002, 97.9255

Deuteranomaly

26.2263, 24.6325, 92.1792

Tritanomaly

20.4160, 24.1789, 55.8155

Monochromacy



Original Color

29.1468, 24.9891, 97.8949

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.1509, 22.3754, 43.7088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1468, 24.9891, 97.8949 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(76, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 131, 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(76, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 131, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.1468, 24.9891, 97.8949 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(76, 131, 255) }
```


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

```
.border{ border-color:rgb(76, 131, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 131, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 131, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 131, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 131,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1468, 24.9891, 97.8949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 131, 255) }
```

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

```
.background{ background-color: rgb(76, 131,  
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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