

Converting Colors

XYZ(29.4564, 31.4467, 56.1469)

Have a look what the booklet for
XYZ(29.4564, 31.4467, 56.1469)
contains.

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Color

**XYZ(29.4568, 31.4478,
56.1472)**

Conversions

Conversions Part 1

Format	Color
Hex	799BC3
RGB	121, 155, 195
RGB Percent	47%, 61%, 76%
CMY	0.5255, 0.3921, 0.2353
CMYK	0.38, 0.21, 0.00, 0.24
HSL	212°, 38%, 62%
HSV	212°, 38%, 76%
XYZ	29.4568, 31.4478, 56.1472
YIQ	149.3940, -33.1040, 5.2320

Conversions

Conversions Part 2

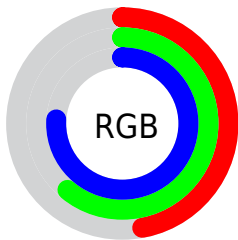
Format	Color
R_{YB}	121, 144, 195
Decimal	7969731
CIE _{Lab}	62.88, -1.65, -24.37
CIE _{LCh}	63, 24.430, 266.124
Yxy	31.4478, 0.2517, 0.2687
Android (android.graphics.Color)	4286159811 (0xFF799BC3)
YUV	149.3940, 22.4838, -24.9015
Hunter-Lab	56.0783, -4.3747, -20.1080

Details

The XYZ color **29.4568, 31.4478, 56.1472** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.7023, 38.4728, 23.4763**, and the grayscale version is **28.6520, 30.1442, 32.8270**.

A 20% lighter version of the original color is **58.2756, 61.8593, 100.9640**, and **12.1419, 13.0527, 27.0788** is the 20% darker color. If you saturate the color by 10%, you get **25.3172, 26.8229, 55.4733**, and if you desaturate by 10%, it is **34.3039, 36.6661, 56.8995**.

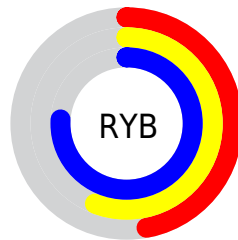
Distribution



Red (47%)

Green (61%)

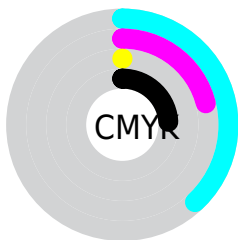
Blue (76%)



Red (47%)

Yellow (56%)

Blue (76%)

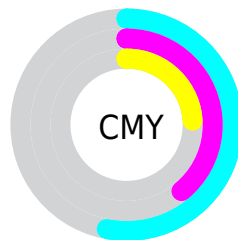


Cyan (38%)

Magenta (21%)

Yellow (0%)

Black (24%)



Cyan (53%)

Magenta (39%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4568, 31.4478, 56.1472 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 29.4568, 31.4478, 56.1472 by changing the saturation by 10% instead.

■ 29.4568, 31.4478,
56.1472

■ 29.4568, 31.4478,
56.1472

291.3197,
308.5961, 427.6499

■ 19.5727, 20.9401,
39.9162

■ 58.1946, 61.9444,
100.7077

■ 12.1913, 13.0802,
27.1599

■ 77.7790, 82.7021,
129.8743

■ 6.9472, 7.4838,
17.4598

■ 101.3276,
107.6452, 164.1897

■ 3.4751, 3.7665,
10.3975

129.2056,
137.1581, 204.0727

■ 1.4097, 1.5438,
5.5542

161.7784,
171.6253, 249.9416

■ 0.2631, 0.3193,
2.5116

199.4115,

■ 0.0000, 0.0000,

211.4311, 302.2151

0.8463

242.4701,
256.9598, 361.3117

■ 0.0000, 0.0000,
0.0000

■ 29.4568, 31.4478,
56.1472

■ 29.4568, 31.4478,
56.1472

■ 25.3172, 26.8229,
55.4733

■ 34.3039, 36.6661,
56.8995

■ 21.8447, 22.7629,
54.8726

■ 39.8900, 42.4975,
57.7307

■ 18.9991, 19.2415,
54.3429

■ 46.2480, 48.9652,
58.6440

■ 16.7343, 16.2288,
53.8807

■ 53.4080, 56.0899,
59.6418

■ 14.9964, 13.6904,
53.4824

■ 61.3985, 63.8911,
60.7264

■ 13.7070, 11.5790,
53.1428

■ 70.2464, 72.3878,
61.9001

■ 13.4727, 11.1848,
53.0791

■ 79.0503, 81.1200,
63.1216

■ 82.0523, 87.1240,
64.1223

■ 85.2344, 93.4880,
65.1829

Harmonies

Analogous

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



26.4409, 31.4478, 51.9590



29.4568, 31.4478, 56.1472



32.8178, 31.4478, 53.6235

Triad

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



29.4568, 31.4478, 56.1472



36.0560, 31.4478, 26.7423



24.8538, 31.4478, 24.9518

Complementary

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



29.4568, 31.4478, 56.1472



38.7023, 38.4728, 23.4763

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.



27.1421, 31.4478, 20.2027



29.4568, 31.4478, 56.1472



33.6271, 31.4478, 21.0929

Square

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



29.4568, 31.4478, 56.1472



36.7901, 31.4478, 35.5038



30.3278, 31.4478, 18.9339



23.9119, 31.4478, 33.0091

Rectangle

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



29.4568, 31.4478, 56.1472



34.7791, 31.4478, 48.6884



30.3278, 31.4478, 18.9339



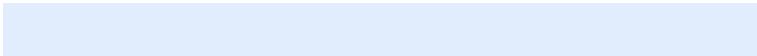
25.4823, 31.4478, 22.9785

Sweetspot

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



29.4578, 31.4490, 56.1479



79.0056, 83.8365, 104.4878



33.7871, 45.6502, 40.5036



16.9519, 18.0046, 22.8317



0.0000, 0.0000, 0.0000



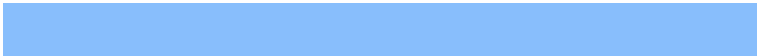
20.3446, 21.4041, 23.3091

Same Dimension

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



29.4578, 31.4490, 56.1479



46.1923, 49.0067, 99.4944



24.9239, 21.8613, 54.5363



9.9011, 10.4935, 12.7884



8.8386, 7.4337, 34.5256



0.4507, 0.4589, 1.5147

Inverse Universe

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



35.2603, 27.6443, 34.4891



58.4171, 42.1827, 53.5953



44.8404, 51.6875, 25.7034



10.2614, 10.1532, 11.4669



15.8573, 8.0327, 7.1605



0.7199, 0.3610, 0.4924

Previews

White Background



This preview shows how the XYZ color 29.4568, 31.4478, 56.1472 looks on a white background.

Color Contrast Check

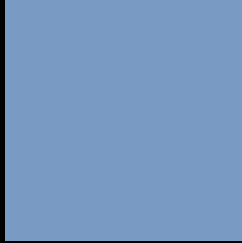
Large Text (above 18pt) WCAG AA × Fail

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 29.4568, 31.4478, 56.1472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

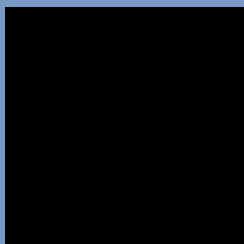
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4568, 31.4478, 56.1472

Background



This preview shows how black text looks on a background with the XYZ color 29.4568, 31.4478, 56.1472.

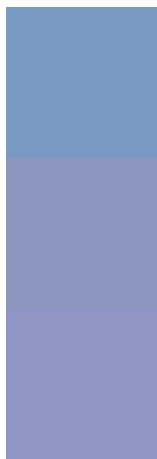


This preview shows how white text looks on a background with the XYZ color 29.4568, 31.4478,

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

29.4568, 31.4478, 56.1472

Protanopia

31.2948, 31.2370, 53.6701

Deuteranopia

32.0389, 31.3201, 56.5813



Tritanopia

26.9148, 31.4197, 43.6758

Trichromacy



Original Color

29.4568, 31.4478, 56.1472

Protanomaly

30.5742, 31.3306, 54.3051

Deuteranomaly

31.0221, 31.2696, 56.6252

Tritanomaly

27.8012, 31.5309, 47.8008

Monochromacy



Original Color

29.4568, 31.4478, 56.1472

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.5970, 30.3754, 40.4322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4568, 31.4478, 56.1472 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(121, 155, 195)` looks like.

```
.text, #text, p{  
    color:rgb(121, 155, 195)  
}
```

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(121, 155, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 155, 195) }
```

Border

The CSS property to change the border of an element to XYZ 29.4568, 31.4478, 56.1472 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(121, 155, 195) }
```


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

```
.border{ border-color:rgb(121, 155, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 155, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 155, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 155, 195);  
box-shadow:4px 4px 4px 4px rgb(121, 155,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4568, 31.4478, 56.1472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 155, 195) }
```

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

```
.background{ background-color: rgb(121,  
155, 195) }
```

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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