

Converting Colors

XYZ(29.8529, 31.7640, 51.0957)

Have a look what the booklet for
XYZ(29.8529, 31.7640, 51.0957)
contains.

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Color

**XYZ(29.7902, 31.7337,
51.0095)**

Conversions

Conversions Part 1

Format	Color
Hex	829BBA
RGB	130, 155, 186
RGB Percent	51%, 61%, 73%
CMY	0.4902, 0.3921, 0.2706
CMYK	0.30, 0.17, 0.00, 0.27
HSL	213°, 29%, 62%
HSV	213°, 30%, 73%
XYZ	29.7902, 31.7337, 51.0095
YIQ	151.0590, -24.8510, 4.3410

Conversions

Conversions Part 2

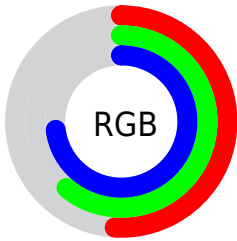
Format	Color
RYB	130, 147, 186
Decimal	8559546
CIELab	63.12, -1.41, -18.91
CIElCh	63, 18.966, 265.746
Yxy	31.7337, 0.2647, 0.2820
Android (android.graphics.Color)	4286749626 (0xFF829BBA)
YUV	151.0590, 17.2259, -18.4687
Hunter-Lab	56.3327, -4.1867, -14.2545

Details

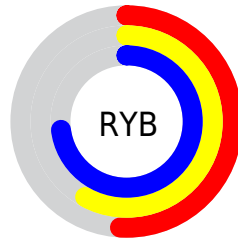
The XYZ color **29.7902, 31.7337, 51.0095** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.0243, 37.5409, 26.4147**, and the grayscale version is **29.3777, 30.9076, 33.6584**.

A 20% lighter version of the original color is **58.5946, 62.2021, 92.9223**, and **12.4084, 13.2563, 24.0950** is the 20% darker color. If you saturate the color by 10%, you get **25.5500, 27.1123, 50.3415**, and if you desaturate by 10%, it is **34.6942, 36.9158, 51.7518**.

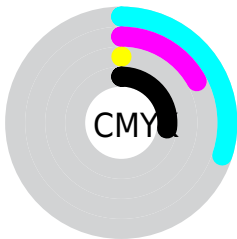
Distribution



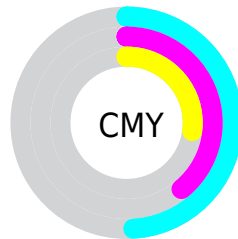
- Red (51%)
- Green (61%)
- Blue (73%)



- Red (51%)
- Yellow (58%)
- Blue (73%)



- Cyan (30%)
- Magenta (17%)
- Yellow (0%)
- Black (27%)



- Cyan (49%)
- Magenta (39%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7902, 31.7337, 51.0095 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 29.7902, 31.7337, 51.0095 by changing the saturation by 10% instead.

■ 29.7902, 31.7337,
51.0095

■ 29.7902, 31.7337,
51.0095

292.8527,
309.9044, 407.4483

■ 19.8267, 21.1582,
35.8394

■ 58.7191, 62.3934,
93.0805

■ 12.3766, 13.2397,
24.0215

■ 78.4153, 83.2463,
120.8184

■ 7.0748, 7.5938,
15.1372

■ 102.0863,
108.2939, 153.5827

■ 3.5556, 3.8361,
8.7680

130.0976,
137.9204, 191.7919

■ 1.4540, 1.5823,
4.4955

162.8146,
172.5103, 235.8645

■ 0.2942, 0.3456,
1.9009

200.6025,

■ 0.0000, 0.0000,

212.4480, 286.2190

0.4933

243.8268,
258.1179, 343.2741

■ 0.0000, 0.0000,
0.0000

■ 29.7902, 31.7337,
51.0095

■ 29.7902, 31.7337,
51.0095

■ 25.5500, 27.1123,
50.3415

■ 34.6942, 36.9158,
51.7518

■ 21.9393, 23.0261,
49.7431

■ 40.2883, 42.6750,
52.5686

■ 18.9247, 19.4532,
49.2123

■ 46.6009, 49.0317,
53.4629

■ 16.4687, 16.3683,
48.7463

■ 53.6577, 56.0040,
54.4367

■ 14.5285, 13.7434,
48.3419

■ 61.4833, 63.6094,
55.4923

■ 13.0543, 11.5463,
47.9956

■ 70.1010, 71.8644,
56.6314

■ 11.9594, 9.7379,
47.7042

■ 77.5928, 79.7848,
57.7654

■ 80.4950, 85.5891,
58.7327

■ 83.5684, 91.7359,
59.7572

Harmonies

Analogous

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



27.4172, 31.7337, 47.8861



29.7902, 31.7337, 51.0095



32.4011, 31.7337, 49.2272

Triad

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



29.7902, 31.7337, 51.0095



34.9254, 31.7337, 28.6628



26.1908, 31.7337, 27.0590

Complementary

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



29.7902, 31.7337, 51.0095



37.0243, 37.5409, 26.4147

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.



28.0284, 31.7337, 23.1293



29.7902, 31.7337, 51.0095



33.0839, 31.7337, 23.9570

Square

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



29.7902, 31.7337, 51.0095



35.4637, 31.7337, 35.6327



30.5367, 31.7337, 22.0811



25.4168, 31.7337, 33.4946

Rectangle

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



29.7902, 31.7337, 51.0095



33.9117, 31.7337, 45.6171



30.5367, 31.7337, 22.0811



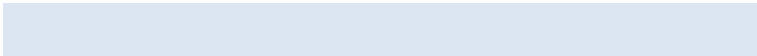
26.6993, 31.7337, 25.4397

Sweetspot

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



29.7912, 31.7350, 51.0102



74.0627, 78.4060, 95.4317



33.1810, 42.4305, 40.0677



15.9612, 16.9116, 20.9656



90.7827, 95.5105, 104.0109



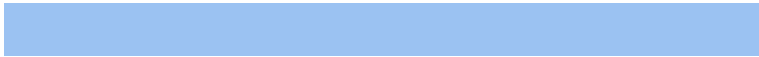
18.6292, 19.5994, 21.3438

Same Dimension

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



29.7912, 31.7350, 51.0102



48.8761, 51.9708, 91.6567



26.4877, 24.4816, 49.7843



8.8423, 9.3619, 11.4204



8.1183, 6.6963, 32.1177



0.3481, 0.3599, 1.1529

Inverse Universe

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



34.1496, 28.7718, 34.7653



58.1666, 46.2714, 56.8897



41.1649, 46.8220, 27.9879



9.1668, 9.0771, 10.2255



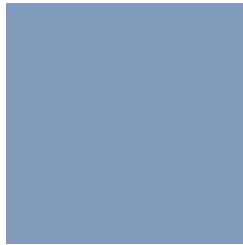
14.7114, 7.4583, 6.3672



0.5499, 0.2754, 0.3890

Previews

White Background



This preview shows how the XYZ color 29.7902, 31.7337, 51.0095 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 29.7902, 31.7337, 51.0095 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

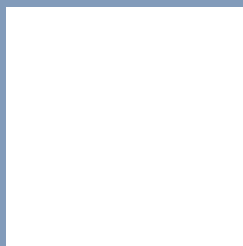
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7902, 31.7337, 51.0095

Background



This preview shows how black text looks on a background with the XYZ color 29.7902, 31.7337, 51.0095.



This preview shows how white text looks on a background with the XYZ color 29.7902, 31.7337,

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

29.7902, 31.7337, 51.0095

Protanopia

31.4679, 31.6631, 49.2528

Deuteranopia

32.2948, 31.5668, 51.4046



Tritanopia

28.2350, 31.8680, 42.6932

Trichromacy



Original Color

29.7902, 31.7337, 51.0095

Protanomaly

30.6952, 31.4926, 49.8083

Deuteranomaly

31.3639, 31.5607, 51.4525

Tritanomaly

28.7955, 31.8377, 45.7019

Monochromacy



Original Color

29.7902, 31.7337, 51.0095

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.2568, 30.9764, 39.5590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7902, 31.7337, 51.0095 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(130, 155, 186)` looks like.

```
.text, #text, p{  
    color:rgb(130, 155, 186)  
}
```

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(130, 155, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 155, 186) }
```

Border

The CSS property to change the border of an element to XYZ 29.7902, 31.7337, 51.0095 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(130, 155, 186) }
```


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

```
.border{ border-color:rgb(130, 155, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 155, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 155, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 155, 186);  
box-shadow:4px 4px 4px 4px rgb(130, 155,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7902, 31.7337, 51.0095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 155, 186) }
```

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

```
.background{ background-color: rgb(130,  
155, 186) }
```

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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