

Converting Colors

XYZ(31.4101, 20.6049, 53.8228)

Have a look what the booklet for
XYZ(31.4101, 20.6049, 53.8228)
contains.

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Color

**XYZ(31.4959, 20.6524,
53.9561)**

Conversions

Conversions Part 1

Format	Color
Hex	B05BC3
RGB	176, 91, 195
RGB Percent	69%, 36%, 76%
CMY	0.3098, 0.6431, 0.2353
CMYK	0.10, 0.53, 0.00, 0.24
HSL	289°, 46%, 56%
HSV	289°, 53%, 76%
XYZ	31.4959, 20.6524, 53.9561
YIQ	128.2710, 17.2760, 50.3640

Conversions

Conversions Part 2

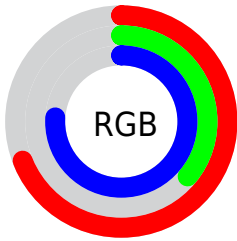
Format	Color
R _Y B	176, 91, 195
Decimal	11557827
CIE Lab	52.57, 50.45, -40.05
CIE LCh	53, 64.415, 321.558
Yxy	20.6524, 0.2968, 0.1946
Android (android.graphics.Color)	4289747907 (0xFFB05BC3)
YUV	128.2710, 32.8974, 41.8583
Hunter-Lab	45.4449, 44.1820, -38.5827

Details

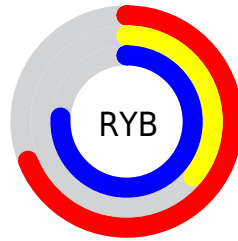
The XYZ color **31.4959, 20.6524, 53.9561** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **27.8345, 43.1011, 16.7507**, and the grayscale version is **20.4977, 21.5652, 23.4845**.

A 20% lighter version of the original color is **61.4756, 44.4672, 97.4384**, and **13.3860, 7.3743, 25.9172** is the 20% darker color. If you saturate the color by 10%, you get **29.2456, 17.3314, 53.4340**, and if you desaturate by 10%, it is **34.2019, 24.8521, 54.6244**.

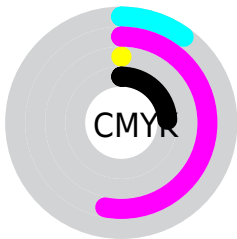
Distribution



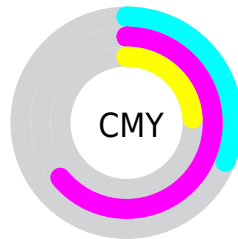
- Red (69%)
- Green (36%)
- Blue (76%)



- Red (69%)
- Yellow (36%)
- Blue (76%)



- Cyan (10%)
- Magenta (53%)
- Yellow (0%)
- Black (24%)





- Cyan (31%)
- Magenta (64%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4959, 20.6524, 53.9561 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 31.4959, 20.6524, 53.9561 by changing the saturation by 10% instead.

 31.4959, 20.6524,
53.9561


 31.4959, 20.6524,
53.9561


300.6027,
255.4254, 419.1125


 21.1304, 12.8702,
38.1736


 61.3905, 44.5083,
97.4655


 13.3324, 7.3392,
25.8146


 81.6504, 61.3508,
126.0296

 7.7364, 3.6751,
16.4605


 105.9391, 81.9821,
159.6912

 3.9771, 1.4935,
9.6927

 134.6220,
106.7867, 198.8690

 1.6892, 0.2842,
5.0928

168.0645,
136.1489, 243.9815

 0.4495, 0.0000,
2.2421

206.6318,

 0.0000, 0.0000,

170.4531, 295.4472

0.6985

250.6895,
210.0838, 353.6847

■ 0.0000, 0.0000,
0.0000

■ 31.4959, 20.6524,
53.9561

■ 31.4959, 20.6524,
53.9561

■ 29.2456, 17.3314,
53.4340

■ 34.2019, 24.8521,
54.6244

■ 27.4143, 14.8179,
53.0454

■ 37.3921, 29.9893,
55.4479

■ 25.9631, 13.0336,
52.7775

■ 41.0952, 36.1205,
56.4361

■ 24.8443, 11.8835,
52.6144

■ 45.3372, 43.2972,
57.5978

■ 24.2232, 11.3496,
52.5441

■ 50.1419, 51.5671,
58.9408

■ 55.5319, 60.9751,
60.4727

■ 61.5285, 71.5636,
62.2004

■ 68.1519, 83.3726,
64.1307

■ 71.6407, 88.8793,
65.0097

Harmonies

Analogous

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



24.7333, 20.6524, 76.9243



31.4959, 20.6524, 53.9561



35.2590, 20.6524, 28.3265

Triad

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



31.4959, 20.6524, 53.9561



21.5747, 20.6524, 2.2035



9.9487, 20.6524, 38.8780

Complementary

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



31.4959, 20.6524, 53.9561



27.8345, 43.1011, 16.7507

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.



9.4741, 20.6524, 17.5108



31.4959, 20.6524, 53.9561



15.2810, 20.6524, 2.6984

Square

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



31.4959, 20.6524, 53.9561



28.7393, 20.6524, 4.2357



11.1952, 20.6524, 6.5014



12.6823, 20.6524, 65.3117

Rectangle

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



31.4959, 20.6524, 53.9561



35.0802, 20.6524, 15.8969



11.1952, 20.6524, 6.5014



9.5489, 20.6524, 30.6851

Sweetspot

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



31.4967, 20.6533, 53.9565



78.8810, 73.5980, 102.5182



19.7486, 17.3315, 53.9346



16.9201, 15.5171, 22.3533



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.



31.4967, 20.6533, 53.9565



51.7840, 30.1962, 95.5689



32.7749, 21.6961, 36.6746



10.3110, 10.1515, 12.7008



15.8090, 7.4102, 34.1537



0.7311, 0.3449, 1.4779

Inverse Universe

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



29.0619, 20.2109, 17.1220



47.4535, 29.6073, 21.1101



27.4641, 42.7085, 25.8437



10.1467, 10.1073, 10.8630



14.8536, 7.6312, 1.8752



0.6652, 0.3391, 0.2043

Previews

White Background



This preview shows how the XYZ color 31.4959, 20.6524, 53.9561 looks on a white background.

Color Contrast Check

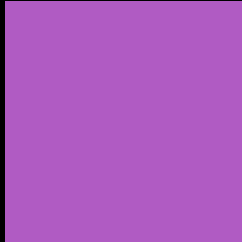
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4959, 20.6524, 53.9561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

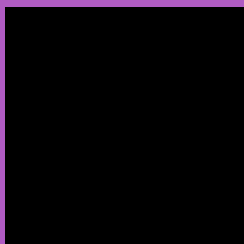
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4959, 20.6524, 53.9561

Background



This preview shows how black text looks on a background with the XYZ color 31.4959, 20.6524, 53.9561.



This preview shows how white text looks on a background with the XYZ color 31.4959, 20.6524,

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

31.4959, 20.6524, 53.9561

Protanopia

23.6794, 21.1674, 73.3587

Deuteranopia

21.4487, 20.8827, 51.0444



Tritanopia

24.4228, 20.4831, 20.1192

Trichromacy



Original Color

31.4959, 20.6524, 53.9561



Protanomaly

24.6341, 19.7504, 65.4646



Deuteranomaly

23.9133, 20.0075, 51.8917



Tritanomaly

26.4789, 20.2421, 30.1153

Monochromacy



Original Color

31.4959, 20.6524, 53.9561



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

23.4753, 20.5482, 32.4347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4959, 20.6524, 53.9561 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(176, 91, 195)` looks like.

```
.text, #text, p{  
    color:rgb(176, 91, 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(176, 91, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 91, 195) }
```

Border

The CSS property to change the border of an element to XYZ 31.4959, 20.6524, 53.9561 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(176, 91, 195) }
```


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

```
.border{ border-color:rgb(176, 91, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 91, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 91, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 91, 195);  
box-shadow:4px 4px 4px 4px rgb(176, 91,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4959, 20.6524, 53.9561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 91, 195) }
```

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

```
.background{ background-color: rgb(176, 91,  
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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