

Converting Colors

XYZ(31.4882, 21.3643, 34.5762)

Have a look what the booklet for
XYZ(31.4882, 21.3643, 34.5762)
contains.

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Color

**XYZ(31.4860, 21.3394,
34.3577)**

Conversions

Conversions Part 1

Format	Color
Hex	BF5D9D
RGB	191, 93, 157
RGB Percent	75%, 36%, 62%
CMY	0.2510, 0.6353, 0.3843
CMYK	0.00, 0.51, 0.18, 0.25
HSL	321°, 43%, 56%
HSV	321°, 51%, 75%
XYZ	31.4860, 21.3394, 34.3577
YIQ	129.5980, 37.8640, 40.6800

Conversions

Conversions Part 2

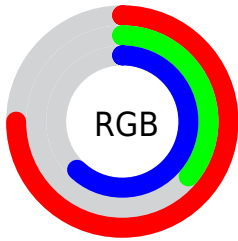
Format	Color
R_{YB}	191, 93, 157
Decimal	12541341
CIE _{Lab}	53.32, 47.17, -16.65
CIE _{LCh}	53, 50.025, 340.565
Yxy	21.3394, 0.3611, 0.2448
Android (android.graphics.Color)	4290731421 (0xFFBF5D9D)
YUV	129.5980, 13.5092, 53.8496
Hunter-Lab	46.1946, 40.8242, -11.7613

Details

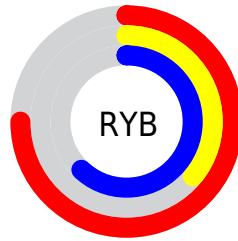
The XYZ color **31.4860, 21.3394, 34.3577** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **26.9768, 41.1217, 26.5960**, and the grayscale version is **21.0216, 22.1163, 24.0847**.

A 20% lighter version of the original color is **61.3843, 45.7606, 67.8847**, and **13.3520, 7.7091, 14.4199** is the 20% darker color. If you saturate the color by 10%, you get **29.4636, 18.1754, 30.9675**, and if you desaturate by 10%, it is **33.9590, 25.3550, 38.0500**.

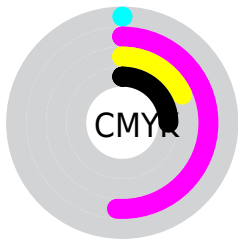
Distribution



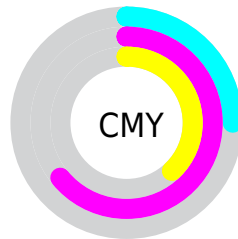
- Red (75%)
- Green (36%)
- Blue (62%)



- Red (75%)
- Yellow (36%)
- Blue (62%)



- Cyan (0%)
- Magenta (51%)
- Yellow (18%)
- Black (25%)



- Cyan (25%)
- Magenta (64%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4860, 21.3394, 34.3577 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 31.4860, 21.3394, 34.3577 by changing the saturation by 10% instead.

■ 31.4860, 21.3394,
34.3577

■ 31.4860, 21.3394,
34.3577

300.5582,
259.0768, 336.5418

■ 21.1228, 13.3723,
22.8889

■ 61.3751, 45.6517,
67.6298

■ 13.3268, 7.6854,
14.3070

■ 81.6317, 62.7657,
90.2702

■ 7.7325, 3.8943,
8.1933

■ 105.9169, 83.6975,
117.4716

■ 3.9746, 1.6146,
4.1294

■ 134.5959,
108.8315, 149.6524

■ 1.6878, 0.3674,
1.6966

168.0342,
138.5520, 187.2314

■ 0.4486, 0.0000,
0.3584

206.5971,

■ 0.0000, 0.0000,

173.2434, 230.6269

0.0000

250.6500,
213.2902, 280.2575

■ 31.4860, 21.3394,
34.3577

■ 31.4860, 21.3394,
34.3577

■ 29.4636, 18.1754,
30.9675

■ 33.9590, 25.3550,
38.0500

■ 27.8576, 15.7962,
27.8649

■ 36.9097, 30.2762,
42.0550

■ 26.6319, 14.1300,
25.0357

■ 40.3651, 36.1564,
46.3843

■ 25.7428, 13.0902,
22.4629

■ 44.3498, 43.0436,
51.0483

■ 25.1705, 12.5503,
20.4081

■ 48.8864, 50.9829,
56.0566

■ 53.9966, 60.0165,
61.4187

■ 59.7005, 70.1841,
67.1434

■ 66.0175, 81.5238,
73.2391

■ 69.7239, 87.5876,
78.6333

Harmonies

Analogous

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



27.6549, 21.3394, 53.1935



31.4860, 21.3394, 34.3577



32.0359, 21.3394, 18.2856

Triad

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



31.4860, 21.3394, 34.3577



18.4713, 21.3394, 4.7364



13.4860, 21.3394, 47.8415

Complementary

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



31.4860, 21.3394, 34.3577



26.9768, 41.1217, 26.5960

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.



11.8256, 21.3394, 29.0055



31.4860, 21.3394, 34.3577



14.3526, 21.3394, 7.3715

Square

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



31.4860, 21.3394, 34.3577



23.8645, 21.3394, 5.1526



12.1125, 21.3394, 14.8163



17.0781, 21.3394, 63.0373

Rectangle

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



31.4860, 21.3394, 34.3577



30.3797, 21.3394, 11.3324



12.1125, 21.3394, 14.8163



12.7144, 21.3394, 41.4533

Sweetspot

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



31.4867, 21.3404, 34.3581



76.5090, 72.0213, 88.0708



21.8745, 16.0019, 51.2263



16.4663, 15.2372, 18.9481



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.4867, 21.3404, 34.3581



52.2370, 31.7434, 54.4964



28.1794, 20.0175, 16.9421



9.7855, 9.6385, 11.2595



16.5808, 8.2635, 13.6180



0.6792, 0.3356, 0.6900

Inverse Universe

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



31.4867, 21.3404, 34.3581



52.2370, 31.7434, 54.4964



30.8509, 42.6714, 46.9971



9.7855, 9.6385, 11.2595



16.5808, 8.2635, 13.6180



0.6792, 0.3356, 0.6900

Previews

White Background



This preview shows how the XYZ color 31.4860, 21.3394, 34.3577 looks on a white background.

Color Contrast Check

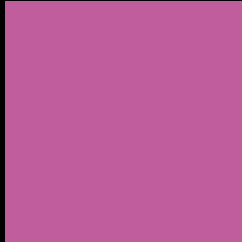
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4860, 21.3394, 34.3577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

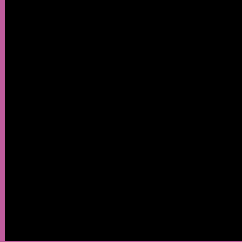
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4860, 21.3394, 34.3577

Background



This preview shows how black text looks on a background with the XYZ color 31.4860, 21.3394, 34.3577.



This preview shows how white text looks on a background with the XYZ color 31.4860, 21.3394,

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

31.4860, 21.3394, 34.3577

Protanopia

22.3569, 21.6374, 46.7142

Deuteranopia

22.0544, 21.6014, 32.7129



Tritanopia

27.9692, 21.2873, 17.6736

Trichromacy



Original Color

31.4860, 21.3394, 34.3577

Protanomaly

24.2789, 20.5886, 41.7241

Deuteranomaly

24.6868, 20.8187, 33.2891

Tritanomaly

29.0972, 21.1736, 22.9754

Monochromacy



Original Color

31.4860, 21.3394, 34.3577

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

24.0438, 21.2914, 27.6534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4860, 21.3394, 34.3577 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(191, 93, 157)` looks like.

```
.text, #text, p{  
    color:rgb(191, 93, 157)  
}
```

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(191, 93, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 93, 157) }
```

Border

The CSS property to change the border of an element to XYZ 31.4860, 21.3394, 34.3577 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(191, 93, 157) }
```


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

```
.border{ border-color:rgb(191, 93, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 93, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 93, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 93, 157); box-shadow:4px 4px 4px 4px rgb(191, 93, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4860, 21.3394, 34.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 93, 157) }
```

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

```
.background{ background-color: rgb(191, 93,  
157) }
```

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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