

Converting Colors

XYZ(31.5367, 22.7037, 20.0548)

Have a look what the booklet for
XYZ(31.5367, 22.7037, 20.0548)
contains.

XYZ(31.4401, 22.5884, 20.1557)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.4401, 22.5884,
20.1557)**

Conversions

Conversions Part 1

Format	Color
Hex	C76477
RGB	199, 100, 119
RGB Percent	78%, 39%, 47%
CMY	0.2196, 0.6078, 0.5333
CMYK	0.00, 0.50, 0.40, 0.22
HSL	348°, 47%, 59%
HSV	348°, 50%, 78%
XYZ	31.4401, 22.5884, 20.1557
YIQ	131.7670, 52.9050, 26.8970

Conversions

Conversions Part 2

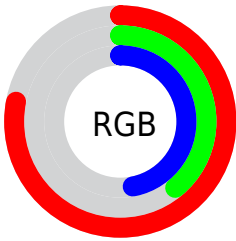
Format	Color
R_{YB}	199, 100, 119
Decimal	13067383
CIE _{Lab}	54.65, 41.29, 7.82
CIE _{LCh}	55, 42.021, 10.724
Yxy	22.5884, 0.4238, 0.3045
Android (android.graphics.Color)	4291257463 (0xFFC76477)
YUV	131.7670, -6.2941, 58.9633
Hunter-Lab	47.5273, 34.9081, 8.1249

Details

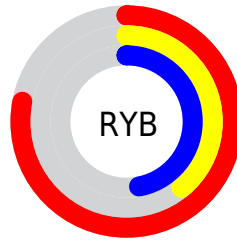
The XYZ color **31.4401, 22.5884, 20.1557** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.9183, 46.8519, 50.4384**, and the grayscale version is **21.8576, 22.9959, 25.0425**.

A 20% lighter version of the original color is **59.9819, 46.9827, 44.4353**, and **13.3496, 8.3196, 6.8635** is the 20% darker color. If you saturate the color by 10%, you get **28.8737, 18.8726, 14.9317**, and if you desaturate by 10%, it is **34.6373, 27.3041, 26.3967**.

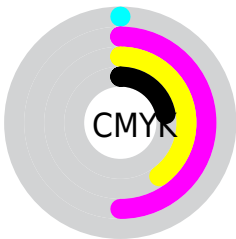
Distribution



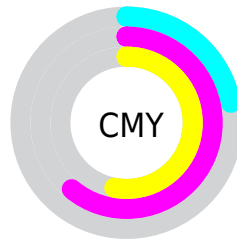
- Red (78%)
- Green (39%)
- Blue (47%)



- Red (78%)
- Yellow (39%)
- Blue (47%)



- Cyan (0%)
- Magenta (50%)
- Yellow (40%)
- Black (22%)





- Cyan (22%)
- Magenta (61%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4401, 22.5884, 20.1557 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 31.4401, 22.5884, 20.1557 by changing the saturation by 10% instead.

 31.4401, 22.5884,
20.1557


 31.4401, 22.5884,
20.1557


300.3516,
265.6038, 265.3888


 21.0877, 14.2899,
12.3231


 61.3034, 47.7166,
44.5405

 13.3009, 8.3226,
6.8389


 81.5451, 65.3151,
61.9297

 7.7145, 4.3020,
3.2846

 105.8138, 86.7823,
83.3415

 3.9631, 1.8439,
1.2417

 134.4750,
112.5027, 109.1945

 1.6813, 0.5143,
0.0133

167.8940,
142.8606, 139.9072

 0.4445, 0.0000,
0.0000

206.4362,

 0.0000, 0.0000,

178.2406, 175.8981

0.0000

250.4670,
219.0268, 217.5858

■ 31.4401, 22.5884,
20.1557

■ 31.4401, 22.5884,
20.1557

■ 28.8737, 18.8726,
14.9317

■ 34.6373, 27.3041,
26.3967

■ 26.8935, 16.0809,
10.6685

■ 38.5021, 33.0814,
33.7041

■ 25.4518, 14.1322,
7.3066


■ 43.0708, 39.9811,
42.1255


■ 24.4923, 12.9296,
4.7784


■ 48.3763, 48.0584,
51.7051

■ 23.9181, 12.2969,
2.9972


■ 54.4496, 57.3648,
62.4848

 23.9059, 12.2832,
2.9602

 61.3196, 67.9488,
74.5046

 69.0141, 79.8564,
87.8022

 76.2027, 90.4179,
101.9618

 77.3631, 90.8821,
108.0723

Harmonies

Analogous

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



30.9998, 22.5884, 33.9913



31.4401, 22.5884, 20.1557



28.9346, 22.5884, 11.4450

Triad

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



31.4401, 22.5884, 20.1557



16.1772, 22.5884, 9.9078



18.6671, 22.5884, 57.2972

Complementary

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



31.4401, 22.5884, 20.1557



33.9183, 46.8519, 50.4384

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.



15.4135, 22.5884, 45.2208



31.4401, 22.5884, 20.1557



14.1251, 22.5884, 17.1126

Square

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



31.4401, 22.5884, 20.1557



19.8577, 22.5884, 7.1043



13.8672, 22.5884, 29.6423



23.1664, 22.5884, 59.0409

Rectangle

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



31.4401, 22.5884, 20.1557



26.1159, 22.5884, 8.4026



13.8672, 22.5884, 29.6423



17.4099, 22.5884, 54.1508

Sweetspot

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



31.4407, 22.5896, 20.1561



79.4551, 76.1436, 81.0939



33.5034, 22.8467, 56.6767



16.5907, 15.6654, 16.6042



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.



31.4407, 22.5896, 20.1561



50.1124, 32.4111, 25.2146



33.7970, 28.9490, 15.8646



10.7157, 10.6696, 11.4859



15.3967, 7.9083, 2.0331



0.7547, 0.3847, 0.2312

Inverse Universe

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



31.4407, 22.5896, 20.1561



50.1124, 32.4111, 25.2146



29.8092, 35.3215, 59.2792



10.7157, 10.6696, 11.4859



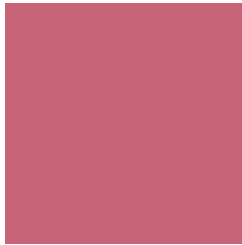
15.3967, 7.9083, 2.0331



0.7547, 0.3847, 0.2312

Previews

White Background



This preview shows how the XYZ color 31.4401, 22.5884, 20.1557 looks on a white background.

Color Contrast Check

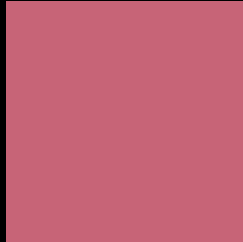
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4401, 22.5884, 20.1557 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 31.4401, 22.5884, 20.1557

Background



This preview shows how black text looks on a background with the XYZ color 31.4401, 22.5884, 20.1557.



This preview shows how white text looks on a background with the XYZ color 31.4401, 22.5884,

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

31.4401, 22.5884, 20.1557

Protanopia

22.0760, 22.9157, 26.5522

Deuteranopia

23.1330, 22.6435, 19.3711



Tritanopia

30.8004, 22.6126, 17.2093

Trichromacy



Original Color

31.4401, 22.5884, 20.1557

Protanomaly

24.4560, 22.1126, 24.0983

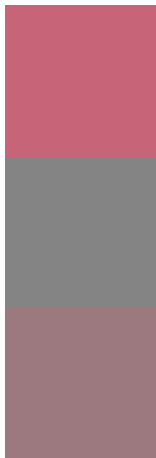
Deuteranomaly

25.6621, 22.3084, 19.4764

Tritanomaly

30.9230, 22.5054, 18.3369

Monochromacy



Original Color

31.4401, 22.5884, 20.1557

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.2575, 22.0332, 23.0530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4401, 22.5884, 20.1557 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(199, 100, 119)` looks like.

```
.text, #text, p{  
    color:rgb(199, 100, 119)  
}
```

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(199, 100, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 100, 119) }
```

Border

The CSS property to change the border of an element to XYZ 31.4401, 22.5884, 20.1557 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(199, 100, 119) }
```


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

```
.border{ border-color:rgb(199, 100, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 100, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 100, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 100, 119);  
box-shadow:4px 4px 4px 4px rgb(199, 100,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4401, 22.5884, 20.1557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 100, 119) }
```

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

```
.background{ background-color: rgb(199,  
100, 119) }
```

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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