

Converting Colors

XYZ(29.9577, 31.3265, 7.7165)

Have a look what the booklet for
XYZ(29.9577, 31.3265, 7.7165)
contains.

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Color

**XYZ(29.9577, 31.3265,
7.7165)**

Conversions

Conversions Part 1

Format	Color
Hex	B39534
RGB	179, 149, 52
RGB Percent	70%, 58%, 20%
CMY	0.2980, 0.4157, 0.7961
CMYK	0.00, 0.17, 0.71, 0.30
HSL	46°, 55%, 45%
HSV	46°, 71%, 70%
XYZ	29.9577, 31.3265, 7.7165
YIQ	146.9120, 49.0170, -23.8070

Conversions

Conversions Part 2

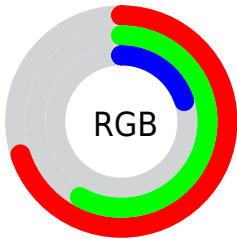
Format	Color
R_{YB}	91, 179, 52
Decimal	11769140
CIE _{Lab}	62.78, 0.69, 53.07
CIE _{LCh}	63, 53.070, 89.251
Yxy	31.3265, 0.4342, 0.4540
Android (android.graphics.Color)	4289959220 (0xFFB39534)
YUV	146.9120, -46.7916, 28.1412
Hunter-Lab	55.9701, -2.4064, 31.0048

Details

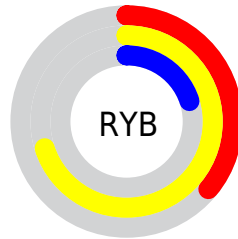
The XYZ color **29.9577, 31.3265, 7.7165** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **12.5701, 10.0191, 43.9190**, and the grayscale version is **27.8707, 29.3221, 31.9318**.

A 20% lighter version of the original color is **59.1145, 61.8885, 21.9267**, and **12.6302, 13.1346, 1.8696** is the 20% darker color. If you saturate the color by 10%, you get **28.9719, 29.8825, 5.7621**, and if you desaturate by 10%, it is **31.1221, 32.8833, 10.4851**.

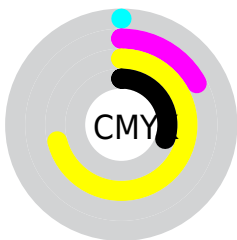
Distribution



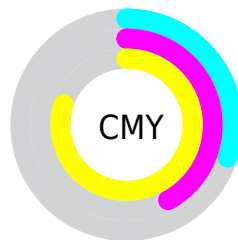
- Red (70%)
- Green (58%)
- Blue (20%)



- Red (36%)
- Yellow (70%)
- Blue (20%)



- Cyan (0%)
- Magenta (17%)
- Yellow (71%)
- Black (30%)



- Cyan (30%)
- Magenta (42%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9577, 31.3265, 7.7165 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 29.9577, 31.3265, 7.7165 by changing the saturation by 10% instead.

■ 29.9577, 31.3265,
7.7165

■ 29.9577, 31.3265,
7.7165

293.6206,
308.0397, 183.3419

■ 19.9544, 20.8476,
3.8289

■ 58.9824, 61.7537,
21.9377

■ 12.4700, 13.0126,
1.5320

■ 78.7344, 82.4709,
33.1084

■ 7.1391, 7.4373,
0.2416

■ 102.4668,
107.3696, 47.5439

■ 3.5963, 3.7370,
0.0000

■ 130.5448,
136.8341, 65.6627

■ 1.4764, 1.5276,
0.0000

■ 163.3339,
171.2491, 87.8833

■ 0.3097, 0.3080,
0.0000

■ 201.1993,

■ 0.0000, 0.0000,

210.9987, 114.6244

0.0000

244.5064,
256.4674, 146.3044

■ 29.9577, 31.3265,
7.7165

■ 29.9577, 31.3265,
7.7165

■ 28.9719, 29.8825,
5.7621

■ 31.1221, 32.8833,
10.4851

■ 28.1439, 28.5388,
4.5234

■ 32.4786, 34.5549,
14.1478

■ 27.4965, 27.3961,
3.8388

■ 34.0419, 36.3490,
18.7767

■ 35.8242, 38.2707,
24.4363

■ 37.8372, 40.3250,
31.1853

■ 40.0912, 42.5166,
39.0780

■ 42.5962, 44.8497,
48.1653

■ 45.3614, 47.3285,
58.4946

■ 48.3955, 49.9567,
70.1112

Harmonies

Analogous

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



37.4977, 31.3265, 9.9955



29.9577, 31.3265, 7.7165



23.4612, 31.3265, 9.7668

Triad

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



29.9577, 31.3265, 7.7165



19.1803, 31.3265, 57.6122



43.4559, 31.3265, 58.9052

Complementary

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



29.9577, 31.3265, 7.7165



12.5701, 10.0191, 43.9190

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.



37.1305, 31.3265, 82.2334



29.9577, 31.3265, 7.7165



23.1926, 31.3265, 81.2976

Square

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



29.9577, 31.3265, 7.7165



17.8839, 31.3265, 33.5894



29.5928, 31.3265, 91.7378



46.0286, 31.3265, 34.6344

Rectangle

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



29.9577, 31.3265, 7.7165



20.4019, 31.3265, 14.1021



29.5928, 31.3265, 91.7378



41.6522, 31.3265, 67.4274

Sweetspot

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



29.9584, 31.3280, 7.7171



67.6108, 72.0670, 55.3211



21.4090, 12.6761, 9.6551



14.7533, 15.7396, 11.4876



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.9584, 31.3280, 7.7171



51.0416, 52.1767, 8.9561



28.8175, 38.7143, 9.2029



9.0236, 9.5597, 9.0221



19.4823, 19.4631, 2.7299



0.6544, 0.6951, 0.0997

Inverse Universe

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



12.5701, 10.0191, 43.9190



18.2310, 12.1265, 77.7610



12.9988, 7.5843, 43.4264



8.1995, 8.5452, 10.7236



6.3848, 3.5699, 30.4895



0.2463, 0.2031, 0.9745

Previews

White Background



This preview shows how the XYZ color 29.9577, 31.3265, 7.7165 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 29.9577, 31.3265, 7.7165 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 29.9577, 31.3265, 7.7165

Background



This preview shows how black text looks on a background with the XYZ color 29.9577, 31.3265, 7.7165.



This preview shows how white text looks on a background with the XYZ color 29.9577, 31.3265,

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

29.9577, 31.3265, 7.7165

Protanopia

28.4484, 31.2596, 7.9025

Deuteranopia

31.8743, 31.1600, 7.8246



Tritanopia

34.9873, 31.1063, 33.0143

Trichromacy



Original Color

29.9577, 31.3265, 7.7165

Protanomaly

28.9428, 31.2745, 7.8793

Deuteranomaly

31.1712, 31.2539, 7.7579

Tritanomaly

32.3882, 30.9271, 20.1821

Monochromacy



Original Color

29.9577, 31.3265, 7.7165

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.8126, 29.7206, 19.6000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9577, 31.3265, 7.7165 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(179, 149, 52)` looks like.

```
.text, #text, p{  
    color:rgb(179, 149, 52)  
}
```

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(179, 149, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 149, 52) }
```

Border

The CSS property to change the border of an element to XYZ 29.9577, 31.3265, 7.7165 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(179, 149, 52) }
```


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

```
.border{ border-color:rgb(179, 149, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 149, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 149, 52); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 149, 52); box-shadow:4px 4px 4px 4px rgb(179, 149, 52) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9577, 31.3265, 7.7165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 149, 52) }
```

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

```
.background{ background-color: rgb(179,  
149, 52) }
```

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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