

Converting Colors

XYZ(30.2496, 20.9337, 57.1006)

Have a look what the booklet for
XYZ(30.2496, 20.9337, 57.1006)
contains.

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Color

**XYZ(30.3101, 20.9048,
57.0811)**

Conversions

Conversions Part 1

Format	Color
Hex	A562C8
RGB	165, 98, 200
RGB Percent	65%, 38%, 78%
CMY	0.3529, 0.6157, 0.2157
CMYK	0.17, 0.51, 0.00, 0.22
HSL	279°, 48%, 58%
HSV	279°, 51%, 78%
XYZ	30.3101, 20.9048, 57.0811
YIQ	129.6610, 7.1900, 45.9260

Conversions

Conversions Part 2

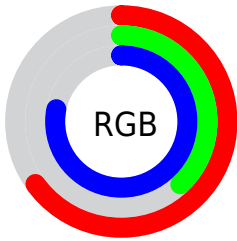
Format	Color
R_{YB}	165, 98, 200
Decimal	10838728
CIE _{Lab}	52.85, 44.86, -42.57
CIE _{LCh}	53, 61.838, 316.499
Yxy	20.9048, 0.2799, 0.1930
Android (android.graphics.Color)	4289028808 (0xFFA562C8)
YUV	129.6610, 34.6771, 30.9923
Hunter-Lab	45.7218, 38.3190, -42.0151

Details

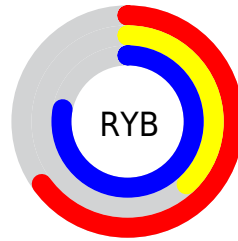
The XYZ color **30.3101, 20.9048, 57.0811** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **32.5322, 47.1773, 18.9475**, and the grayscale version is **20.9791, 22.0716, 24.0360**.

A 20% lighter version of the original color is **59.2408, 44.8828, 100.1487**, and **12.5578, 7.3924, 27.5531** is the 20% darker color. If you saturate the color by 10%, you get **27.2781, 16.9026, 56.4688**, and if you desaturate by 10%, it is **33.8878, 25.8831, 57.8538**.

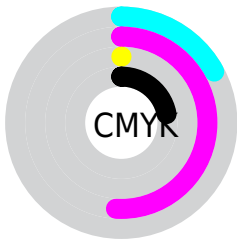
Distribution



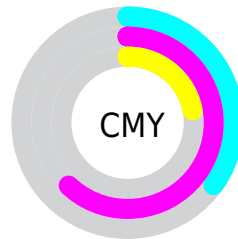
- Red (65%)
- Green (38%)
- Blue (78%)



- Red (65%)
- Yellow (38%)
- Blue (78%)



- Cyan (17%)
- Magenta (51%)
- Yellow (0%)
- Black (22%)



- Cyan (35%)
- Magenta (62%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3101, 20.9048, 57.0811 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 30.3101, 20.9048, 57.0811 by changing the saturation by 10% instead.

30.3101, 20.9048,
57.0811

30.3101, 20.9048,
57.0811

295.2312,
256.7721, 431.2554

20.2233, 13.0544,
40.6606

59.5355, 44.9290,
102.0850

12.6667, 7.4660,
27.7363

79.4048, 61.8717,
131.5055

7.2748, 3.7552,
17.8896

103.2657, 82.6139,
166.0963

3.6824, 1.5376,
10.7022

131.4836,
107.5401, 206.2761

1.5241, 0.3150,
5.7553

164.4237,
137.0346, 252.4634

0.3421, 0.0000,
2.6305

202.4514,

0.0000, 0.0000,

171.4818, 305.0767

0.9081

245.9321,
211.2662, 364.5345

■ 0.0000, 0.0000,
0.0000

■ 30.3101, 20.9048,
57.0811

■ 30.3101, 20.9048,
57.0811

■ 27.2781, 16.9026,
56.4688

■ 33.8878, 25.8831,
57.8538

■ 24.7526, 13.8024,
56.0035

■ 38.0418, 31.8992,
58.7961

■ 22.6928, 11.5233,
55.6721

■ 42.8030, 39.0128,
59.9182

■ 21.0490, 9.9680,
55.4585

■ 48.1994, 47.2778,
61.2291

■ 19.8436, 9.0254,
55.3401

■ 54.2571, 56.7451,
62.7372

■ 61.0006, 67.4619,
64.4503

■ 68.4532, 79.4733,
66.3760

■ 75.6712, 90.8907,
68.1993

■ 77.7900, 91.9829,
68.2984

Harmonies

Analogous

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



23.6101, 20.9048, 76.7461



30.3101, 20.9048, 57.0811



34.5603, 20.9048, 32.1178

Triad

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



30.3101, 20.9048, 57.0811



22.9126, 20.9048, 2.7345



10.1806, 20.9048, 34.4337

Complementary

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



30.3101, 20.9048, 57.0811



32.5322, 47.1773, 18.9475

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.



10.0732, 20.9048, 15.4259



30.3101, 20.9048, 57.0811



16.5463, 20.9048, 2.8536

Square

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



30.3101, 20.9048, 57.0811



29.7050, 20.9048, 5.4803



12.1526, 20.9048, 6.0058



12.4868, 20.9048, 59.5457

Rectangle

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



30.3101, 20.9048, 57.0811



34.9427, 20.9048, 18.9678



12.1526, 20.9048, 6.0058



9.9067, 20.9048, 27.0307

Sweetspot

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



30.3109, 20.9057, 57.0816



79.3736, 75.5721, 105.0112



23.9467, 23.7349, 57.9631



16.5632, 15.5234, 22.3733



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.



30.3109, 20.9057, 57.0816



46.8108, 28.7337, 97.6867



36.9129, 24.5055, 48.5181



10.7161, 10.6274, 13.4040



12.7165, 5.7898, 35.1917



0.6776, 0.3131, 1.6699

Inverse Universe

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



32.4212, 22.7088, 24.8651



51.4798, 32.5633, 33.6326



28.6894, 45.1047, 22.9062



10.7816, 10.6960, 11.8330



15.8590, 8.0932, 4.4674



0.7850, 0.3969, 0.3911

Previews

White Background



This preview shows how the XYZ color 30.3101, 20.9048, 57.0811 looks on a white background.

Color Contrast Check

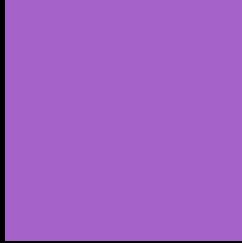
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3101, 20.9048, 57.0811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

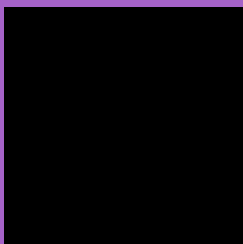
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.3101, 20.9048, 57.0811

Background



This preview shows how black text looks on a background with the XYZ color 30.3101, 20.9048, 57.0811.



This preview shows how white text looks on a background with the XYZ color 30.3101, 20.9048,

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

30.3101, 20.9048, 57.0811

Protanopia

23.7105, 21.1991, 72.6542

Deuteranopia

21.7248, 21.1372, 54.5646



Tritanopia

23.0839, 20.7438, 22.1893

Trichromacy



Original Color

30.3101, 20.9048, 57.0811



Protanomaly

24.8386, 20.3204, 66.9031



Deuteranomaly

23.9312, 20.4439, 55.5081



Tritanomaly

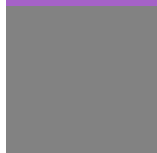
25.0408, 20.3724, 32.3182

Monochromacy



Original Color

30.3101, 20.9048, 57.0811



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

23.7225, 21.1631, 33.8449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3101, 20.9048, 57.0811 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(165, 98, 200)` looks like.

```
.text, #text, p{  
    color:rgb(165, 98, 200)  
}
```

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(165, 98, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 98, 200) }
```

Border

The CSS property to change the border of an element to XYZ 30.3101, 20.9048, 57.0811 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(165, 98, 200) }
```


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

```
.border{ border-color:rgb(165, 98, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 98, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 98, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 98, 200);  
box-shadow:4px 4px 4px 4px rgb(165, 98,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3101, 20.9048, 57.0811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 98, 200) }
```

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

```
.background{ background-color: rgb(165, 98,  
200) }
```

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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