

Converting Colors

XYZ(30.9166, 30.6187, 10.2137)

Have a look what the booklet for
XYZ(30.9166, 30.6187, 10.2137)
contains.

XYZ(30.8778, 30.5918, 10.2386)	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(30.8778, 30.5918,
10.2386)**

Conversions

Conversions Part 1

Format	Color
Hex	B89047
RGB	184, 144, 71
RGB Percent	72%, 56%, 28%
CMY	0.2784, 0.4353, 0.7216
CMYK	0.00, 0.22, 0.61, 0.28
HSL	39°, 44%, 50%
HSV	39°, 61%, 72%
XYZ	30.8778, 30.5918, 10.2386
YIQ	147.6380, 47.2730, -14.2230

Conversions

Conversions Part 2

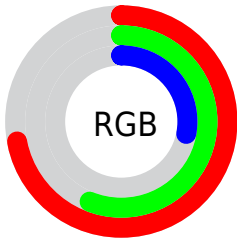
Format	Color
RYB	133, 184, 71
Decimal	12095559
CIELab	62.16, 6.82, 43.81
CIELCh	62, 44.341, 81.155
Yxy	30.5918, 0.4306, 0.4266
Android (android.graphics.Color)	4290285639 (0xFFB89047)
YUV	147.6380, -37.7825, 31.8895
Hunter-Lab	55.3099, 2.8588, 27.7415

Details

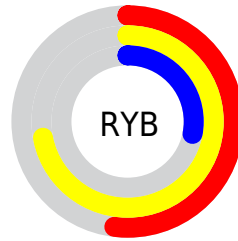
The XYZ color **30.8778, 30.5918, 10.2386** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **16.9345, 16.1686, 47.5756**, and the grayscale version is **28.1367, 29.6020, 32.2366**.

A 20% lighter version of the original color is **60.6691, 60.8480, 26.9596**, and **13.0401, 12.6487, 2.4636** is the 20% darker color. If you saturate the color by 10%, you get **29.4164, 28.4753, 7.2662**, and if you desaturate by 10%, it is **32.5763, 32.8966, 14.1727**.

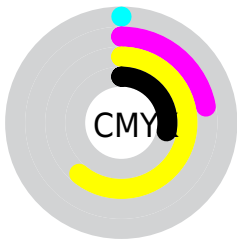
Distribution



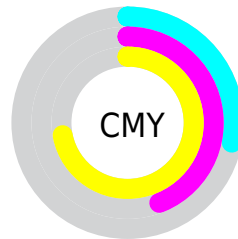
- Red (72%)
- Green (56%)
- Blue (28%)



- Red (52%)
- Yellow (72%)
- Blue (28%)



- Cyan (0%)
- Magenta (22%)
- Yellow (61%)
- Black (28%)



- Cyan (28%)
- Magenta (44%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8778, 30.5918, 10.2386 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 30.8778, 30.5918, 10.2386 by changing the saturation by 10% instead.

■ 30.8778, 30.5918,
10.2386

■ 30.8778, 30.5918,
10.2386

297.8119,
304.6533, 202.9129

■ 20.6572, 20.2882,
5.4498

■ 60.4248, 60.5968,
26.8581

■ 12.9847, 12.6047,
2.4502

■ 80.4819, 81.0671,
39.5259

■ 7.4949, 7.1569,
0.8136

■ 104.5485,
105.6950, 55.6571

■ 3.8226, 3.5604,
0.0000

■ 132.9900,
134.8649, 75.6702

■ 1.6022, 1.4309,
0.0000

■ 166.1717,
168.9613, 99.9838

■ 0.3939, 0.2393,
0.0000

204.4590,

■ 0.0000, 0.0000,

208.3686, 129.0164

0.0000

248.2173,
253.4711, 163.1866

■ 30.8778, 30.5918,
10.2386

■ 30.8778, 30.5918,
10.2386

■ 29.4164, 28.4753,
7.2662

■ 32.5763, 32.8966,
14.1727

■ 28.1724, 26.5341,
5.1655

■ 34.5254, 35.3929,
19.1440

■ 27.1255, 24.7598,
3.8319

■ 36.7398, 38.0894,
25.2227

■ 26.3490, 23.3540,
3.1190

■ 39.2324, 40.9925,
32.4720

■ 42.0151, 44.1085,
40.9506

■ 45.0990, 47.4432,
50.7131

■ 48.4947, 51.0020,
61.8107

■ 52.2122, 54.7903,
74.2920

■ 56.2609, 58.8132,
88.2030

Harmonies

Analogous

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



36.8882, 30.5918, 13.7030



30.8778, 30.5918, 10.2386



25.1270, 30.5918, 11.0925

Triad

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



30.8778, 30.5918, 10.2386



19.6301, 30.5918, 46.6403



38.9662, 30.5918, 58.4806

Complementary

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



30.8778, 30.5918, 10.2386



16.9345, 16.1686, 47.5756

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.



33.4198, 30.5918, 74.3451



30.8778, 30.5918, 10.2386



22.4538, 30.5918, 66.0408

Square

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



30.8778, 30.5918, 10.2386



19.1438, 30.5918, 28.5052



27.3468, 30.5918, 77.5056



41.9600, 30.5918, 38.6249

Rectangle

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



30.8778, 30.5918, 10.2386



22.1567, 30.5918, 14.1798



27.3468, 30.5918, 77.5056



37.3053, 30.5918, 64.7050

Sweetspot

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



30.8785, 30.5933, 10.2392



72.6314, 76.0257, 63.4021



24.9694, 15.8766, 17.2049



15.3541, 16.0451, 12.7562



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.8785, 30.5933, 10.2392



52.4177, 50.2361, 11.5377



34.6258, 43.1635, 12.4680



9.4755, 9.9539, 9.5288



18.2281, 16.2325, 2.1725



0.6985, 0.6842, 0.0952

Inverse Universe

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



16.9345, 16.1686, 47.5756



25.0373, 22.0016, 85.1317



14.7491, 9.9491, 46.4903



8.7742, 9.2257, 11.3977



7.3316, 5.1228, 31.8555



0.3180, 0.2996, 1.1428

Previews

White Background



This preview shows how the XYZ color 30.8778, 30.5918, 10.2386 looks on a white background.

Color Contrast Check

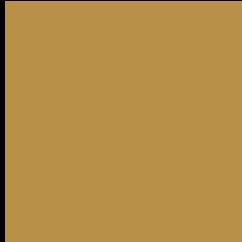
Large Text (above 18pt) WCAG AA × Fail

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 30.8778, 30.5918, 10.2386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

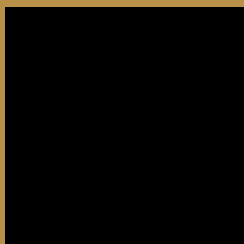
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8778, 30.5918, 10.2386

Background



This preview shows how black text looks on a background with the XYZ color 30.8778, 30.5918, 10.2386.



This preview shows how white text looks on a background with the XYZ color 30.8778, 30.5918,

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

30.8778, 30.5918, 10.2386

Protanopia

28.2056, 30.8297, 10.7675

Deuteranopia

31.2095, 30.5390, 10.2109



Tritanopia

35.2277, 30.6308, 31.2498

Trichromacy



Original Color

30.8778, 30.5918, 10.2386

Protanomaly

28.9932, 30.5319, 10.4960

Deuteranomaly

30.9674, 30.4141, 10.1996

Tritanomaly

33.3014, 30.4885, 21.5825

Monochromacy



Original Color

30.8778, 30.5918, 10.2386

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.5218, 29.8006, 22.0181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8778, 30.5918, 10.2386 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(184, 144, 71)` looks like.

```
.text, #text, p{  
    color:rgb(184, 144, 71)  
}
```

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(184, 144, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 144, 71) }
```

Border

The CSS property to change the border of an element to XYZ 30.8778, 30.5918, 10.2386 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(184, 144, 71) }
```


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

```
.border{ border-color:rgb(184, 144, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 144, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 144, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 144, 71);  
box-shadow:4px 4px 4px 4px rgb(184, 144,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8778, 30.5918, 10.2386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 144, 71) }
```

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

```
.background{ background-color: rgb(184,  
144, 71) }
```

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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