

Converting Colors

XYZ(29.8078, 37.7468, 26.0683)

Have a look what the booklet for
XYZ(29.8078, 37.7468, 26.0683)
contains.

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Color

**XYZ(29.7075, 37.6217,
26.1180)**

Conversions

Conversions Part 1

Format	Color
Hex	8AAF80
RGB	138, 175, 128
RGB Percent	54%, 69%, 50%
CMY	0.4588, 0.3137, 0.4980
CMYK	0.21, 0.00, 0.27, 0.31
HSL	107°, 23%, 59%
HSV	107°, 27%, 69%
XYZ	29.7075, 37.6217, 26.1180
YIQ	158.5790, -6.9650, -22.4610

Conversions

Conversions Part 2

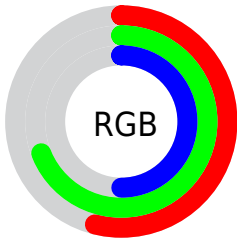
Format	Color
RYB	128, 175, 165
Decimal	9088896
CIELab	67.74, -21.63, 20.11
CIELCh	68, 29.536, 137.080
Yxy	37.6217, 0.3179, 0.4026
Android (android.graphics.Color)	4287278976 (0xFF8AAF80)
YUV	158.5790, -15.0754, -18.0478
Hunter-Lab	61.3365, -20.8849, 17.6890

Details

The XYZ color **29.7075, 37.6217, 26.1180** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **30.9755, 26.5338, 44.0483**, and the grayscale version is **32.8322, 34.5420, 37.6162**.

A 20% lighter version of the original color is **58.6546, 71.6945, 54.4631**, and **12.2652, 16.4954, 9.7452** is the 20% darker color. If you saturate the color by 10%, you get **26.5171, 36.0999, 20.4657**, and if you desaturate by 10%, it is **33.3878, 39.3753, 32.8319**.

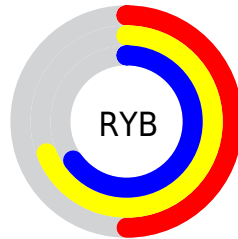
Distribution



Red (54%)

Green (69%)

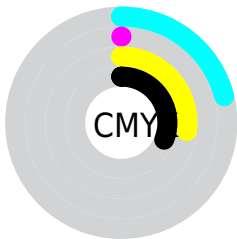
Blue (50%)



Red (50%)

Yellow (69%)

Blue (65%)

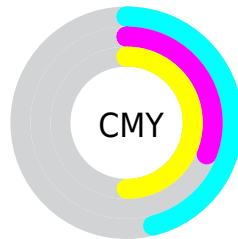


Cyan (21%)

Magenta (0%)

Yellow (27%)

Black (31%)



Cyan (46%)

Magenta (31%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7075, 37.6217, 26.1180 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 29.7075, 37.6217, 26.1180 by changing the saturation by 10% instead.

■ 29.7075, 37.6217,
26.1180

■ 29.7075, 37.6217,
26.1180

292.4730,
335.9944, 296.9847

■ 19.7636, 25.6892,
16.6854

■ 58.5891, 71.5279,
54.4517

■ 12.3306, 16.5913,
9.8509

■ 78.2576, 94.2705,
74.1898

■ 7.0431, 9.9435,
5.1959

■ 101.8983,
121.3851, 98.2002

■ 3.5356, 5.3615,
2.3019

129.8766,
153.2563, 126.9013

■ 1.4429, 2.4609,
0.7323

162.5579,
190.2685, 160.7118

■ 0.2865, 0.8570,
0.0000

200.3075,

■ 0.0000, 0.0000,

232.8059, 200.0502

0.0000

243.4907,
281.2531, 245.3350

■ 29.7075, 37.6217,
26.1180

■ 29.7075, 37.6217,
26.1180

■ 26.5171, 36.0999,
20.4657

■ 33.3878, 39.3753,
32.8319

■ 23.7926, 34.7954,
15.8183

■ 37.5746, 41.3649,
40.6552

■ 21.5125, 33.6995,
12.1176

■ 42.2877, 43.6006,
49.6359

■ 19.6522, 32.8010,
9.2984

■ 47.5445, 46.0907,
59.8184

■ 18.1846, 32.0874,
7.2874

■ 53.3619, 48.8428,
71.2448

■ 17.0794, 31.5450,
5.9992

■ 59.7560, 51.8644,
83.9550

■ 16.2978, 31.1565,
5.3127

■ 66.7421, 55.1625,
97.9872

■ 16.1020, 31.0590,
5.1463

■ 72.1698, 57.8779,
101.9755

■ 74.6207, 59.1414,
102.0902

Harmonies

Analogous

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



33.2416, 37.6217, 21.3253



29.7075, 37.6217, 26.1180



27.8666, 37.6217, 35.5957

Triad

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



29.7075, 37.6217, 26.1180



33.8313, 37.6217, 70.6779



44.8228, 37.6217, 34.0146

Complementary

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



29.7075, 37.6217, 26.1180



30.9755, 26.5338, 44.0483

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.



45.0148, 37.6217, 46.8458



29.7075, 37.6217, 26.1180



38.3990, 37.6217, 70.0006

Square

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



29.7075, 37.6217, 26.1180



30.1075, 37.6217, 62.2696



42.5795, 37.6217, 60.5792



42.0753, 37.6217, 25.1737

Rectangle

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



29.7075, 37.6217, 26.1180



27.7353, 37.6217, 44.1410



42.5795, 37.6217, 60.5792



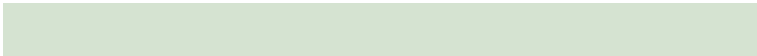
45.1961, 37.6217, 37.9425

Sweetspot

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



29.7085, 37.6233, 26.1188



66.2796, 73.5989, 70.9007



34.9991, 37.5183, 25.8197



14.4745, 16.2361, 15.2755



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.7085, 37.6233, 26.1188



49.8446, 65.7759, 40.7833



29.0645, 37.1833, 30.9691



8.0579, 9.0184, 8.5294



11.5742, 22.2638, 3.6873



0.3665, 0.6423, 0.1047

Inverse Universe

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



30.9755, 26.5338, 44.0483



52.4750, 42.6851, 78.1102



31.8931, 27.1506, 37.5961



8.1678, 8.0608, 10.0781



13.0728, 6.0991, 29.5328



0.4049, 0.1909, 0.8235

Previews

White Background



This preview shows how the XYZ color 29.7075, 37.6217, 26.1180 looks on a white background.

Color Contrast Check

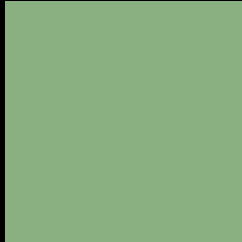
Large Text (above 18pt) WCAG AA × Fail

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 29.7075, 37.6217, 26.1180 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

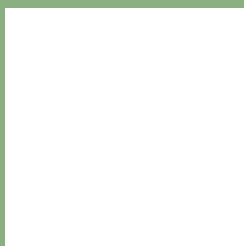
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7075, 37.6217, 26.1180

Background



This preview shows how black text looks on a background with the XYZ color 29.7075, 37.6217, 26.1180.



This preview shows how white text looks on a background with the XYZ color 29.7075, 37.6217,

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

29.7075, 37.6217, 26.1180

Protanopia

34.7551, 37.2111, 24.0896

Deuteranopia

38.1299, 37.3261, 27.0248



Tritanopia

34.3757, 37.5445, 49.1511

Trichromacy



Original Color

29.7075, 37.6217, 26.1180

Protanomaly

32.6046, 37.1673, 24.8576

Deuteranomaly

34.3855, 36.9603, 26.7945

Tritanomaly

32.5861, 37.6637, 39.7348

Monochromacy



Original Color

29.7075, 37.6217, 26.1180

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.5629, 35.6277, 33.2303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7075, 37.6217, 26.1180 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(138, 175, 128)` looks like.

```
.text, #text, p{  
    color:rgb(138, 175, 128)  
}
```

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(138, 175, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 175, 128) }
```

Border

The CSS property to change the border of an element to XYZ 29.7075, 37.6217, 26.1180 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(138, 175, 128) }
```


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

```
.border{ border-color:rgb(138, 175, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 175, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 175, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 175, 128);  
box-shadow:4px 4px 4px 4px rgb(138, 175,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7075, 37.6217, 26.1180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 175, 128) }
```

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

```
.background{ background-color: rgb(138,  
175, 128) }
```

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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