

Converting Colors

XYZ(29.7685, 39.8028, 25.1352)

Have a look what the booklet for
XYZ(29.7685, 39.8028, 25.1352)
contains.

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Color

**XYZ(29.7261, 39.7364,
25.1719)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 83B67C |
| RGB | 131, 182, 124 |
| RGB Percent | 51%, 71%, 49% |
| CMY | 0.4863, 0.2863, 0.5137 |
| CMYK | 0.28, 0.00, 0.32, 0.29 |
| HSL | 113°, 28%, 60% |
| HSV | 113°, 32%, 71% |
| XYZ | 29.7261, 39.7364, 25.1719 |
| YIQ | 160.1390, -11.7780, -28.8500 |

Conversions

Conversions Part 2

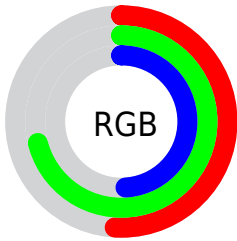
| Format | Color |
|-------------------------------------|--|
| RYB | 124, 182, 175 |
| Decimal | 8631932 |
| CIELab | 69.28, -28.20, 24.29 |
| CIElCh | 69, 37.217, 139.261 |
| Yxy | 39.7364, 0.3141, 0.4199 |
| Android (android.graphics.Color) | 4286822012 (0xFF83B67C) |
| YUV | 160.1390, -17.8165, -25.5549 |
| Hunter-Lab | 63.0368, -26.1397, 20.4501 |

Details

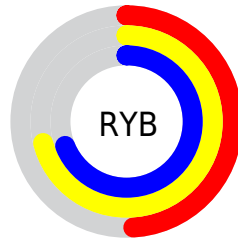
The XYZ color **29.7261, 39.7364, 25.1719** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **33.3320, 26.9078, 47.6950**, and the grayscale version is **33.5621, 35.3099, 38.4525**.

A 20% lighter version of the original color is **58.5179, 74.6377, 52.9173**, and **12.4285, 17.9140, 9.4593** is the 20% darker color. If you saturate the color by 10%, you get **26.3897, 38.1385, 19.5521**, and if you desaturate by 10%, it is **33.6599, 41.6200, 31.9302**.

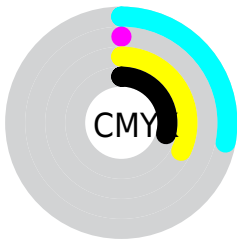
Distribution



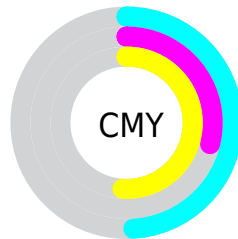
- Red (51%)
- Green (71%)
- Blue (49%)



- Red (49%)
- Yellow (71%)
- Blue (69%)



- Cyan (28%)
- Magenta (0%)
- Yellow (32%)
- Black (29%)





- Cyan (49%)
- Magenta (29%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7261, 39.7364, 25.1719 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 29.7261, 39.7364, 25.1719 by changing the saturation by 10% instead.


 29.7261, 39.7364,
25.1719


 29.7261, 39.7364,
25.1719


292.5584,
345.0113, 292.1680


 19.7778, 27.3331,
15.9850


 58.6184, 74.7619,
52.9035

 12.3410, 17.8235,
9.3593


 78.2930, 98.1530,
72.2853

 7.0502, 10.8234,
4.8763


 101.9406,
125.9753, 95.9025

 3.5401, 5.9482,
2.1174

129.9263,
158.6134, 124.1736

 1.4454, 2.8136,
0.6261

162.6156,
196.4517, 157.5172

 0.2882, 1.0352,
0.0000

200.3738,

 0.0000, 0.0000,

239.8745, 196.3517

0.0000

243.5663,
289.2662, 241.0958

■ 29.7261, 39.7364,
25.1719

■ 29.7261, 39.7364,
25.1719

■ 26.3897, 38.1385,
19.5521

■ 33.6599, 41.6200,
31.9302

■ 23.6185, 36.8077,
15.0059

■ 38.2153, 43.7971,
39.8821

■ 21.3816, 35.7306,
11.4654


■ 43.4187, 46.2814,
49.0823


■ 19.6444, 34.8910,
8.8544


■ 49.2944, 49.0841,
59.5813


■ 18.3675, 34.2705,
7.0856


■ 55.8651, 52.2160,
71.4267

 17.5058, 33.8483,
6.0552

 63.1525, 55.6874,
84.6639

 17.0588, 33.6276,
5.5917

 71.1776, 59.5080,
99.3361

 76.0187, 61.9375,
102.5562

Harmonies

Analogous

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



34.1091, 39.7364, 19.0719



29.7261, 39.7364, 25.1719



27.5815, 39.7364, 37.4283

Triad

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



29.7261, 39.7364, 25.1719



35.6707, 39.7364, 84.2370



49.6658, 39.7364, 33.3085

Complementary

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



29.7261, 39.7364, 25.1719



33.3320, 26.9078, 47.6950

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.



50.1972, 39.7364, 49.6815



29.7261, 39.7364, 25.1719



41.6801, 39.7364, 82.2823

Square

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



29.7261, 39.7364, 25.1719



30.7654, 39.7364, 73.2383



47.1440, 39.7364, 68.4440



45.7604, 39.7364, 22.8421

Rectangle

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



29.7261, 39.7364, 25.1719



27.5398, 39.7364, 48.7715



47.1440, 39.7364, 68.4440



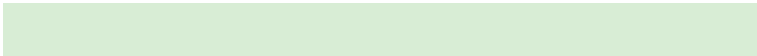
50.2594, 39.7364, 38.1916

Sweetspot

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



29.7271, 39.7381, 25.1728



70.7998, 80.1257, 74.9749



38.1188, 41.7774, 25.1241



15.3603, 17.5649, 16.0719



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.



29.7271, 39.7381, 25.1728



49.6790, 70.0226, 38.5147



30.1728, 39.7953, 32.9880



8.9884, 10.1106, 9.5847



12.0772, 23.7623, 3.9501



0.4588, 0.8547, 0.1408

Inverse Universe

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



33.3320, 26.9078, 47.6950



57.1974, 43.2142, 85.5623



32.9100, 26.9252, 37.0590



9.2714, 9.1063, 11.3485



16.2432, 7.6848, 31.8803



0.6029, 0.2865, 1.1253

Previews

White Background



This preview shows how the XYZ color 29.7261, 39.7364, 25.1719 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 29.7261, 39.7364, 25.1719 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 29.7261, 39.7364, 25.1719

Background



This preview shows how black text looks on a background with the XYZ color 29.7261, 39.7364, 25.1719.



This preview shows how white text looks on a background with the XYZ color 29.7261, 39.7364,

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

29.7261, 39.7364, 25.1719

Protanopia

36.5641, 39.2584, 22.7900

Deuteranopia

40.1053, 39.4049, 25.9142



Tritanopia

35.3685, 39.6537, 53.3668

Trichromacy



Original Color

29.7261, 39.7364, 25.1719

Protanomaly

33.4380, 39.0297, 23.5404

Deuteranomaly

35.4743, 38.9069, 25.7188

Tritanomaly

32.9949, 39.5642, 41.4949

Monochromacy



Original Color

29.7261, 39.7364, 25.1719

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.6635, 36.5014, 32.9804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7261, 39.7364, 25.1719 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(131, 182, 124)` looks like.

```
.text, #text, p{  
    color:rgb(131, 182, 124)  
}
```

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(131, 182, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 182, 124) }
```

Border

The CSS property to change the border of an element to XYZ 29.7261, 39.7364, 25.1719 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(131, 182, 124) }
```


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

```
.border{ border-color:rgb(131, 182, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 182, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 182, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 182, 124); box-shadow:4px 4px 4px 4px rgb(131, 182, 124) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7261, 39.7364, 25.1719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 182, 124) }
```

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

```
.background{ background-color: rgb(131,  
182, 124) }
```

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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