

Converting Colors

XYZ(29.6778, 40.8409, 24.9965)

Have a look what the booklet for
XYZ(29.6778, 40.8409, 24.9965)
contains.

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Color

**XYZ(29.7382, 40.9835,
25.0821)**

Conversions

Conversions Part 1

Format	Color
Hex	7EBA7B
RGB	126, 186, 123
RGB Percent	49%, 73%, 48%
CMY	0.5059, 0.2706, 0.5176
CMYK	0.32, 0.00, 0.34, 0.27
HSL	117°, 31%, 61%
HSV	117°, 34%, 73%
XYZ	29.7382, 40.9835, 25.0821
YIQ	160.8780, -15.5370, -32.3130

Conversions

Conversions Part 2

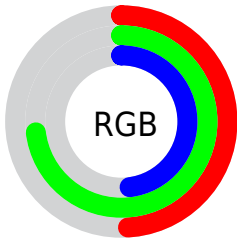
Format	Color
RYB	123, 186, 183
Decimal	8305275
CIELab	70.16, -31.96, 25.96
CIELCh	70, 41.172, 140.916
Yxy	40.9835, 0.3104, 0.4278
Android (android.graphics.Color)	4286495355 (0xFF7EBA7B)
YUV	160.8780, -18.6739, -30.5880
Hunter-Lab	64.0184, -29.1142, 21.5833

Details

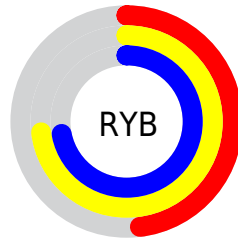
The XYZ color **29.7382, 40.9835, 25.0821** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **35.4762, 27.7796, 49.9488**, and the grayscale version is **33.9096, 35.6755, 38.8507**.

A 20% lighter version of the original color is **58.4110, 76.3421, 52.7312**, and **12.2779, 18.4394, 9.2154** is the 20% darker color. If you saturate the color by 10%, you get **26.2980, 39.3332, 19.4099**, and if you desaturate by 10%, it is **33.8644, 42.9643, 31.9430**.

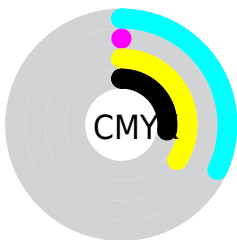
Distribution



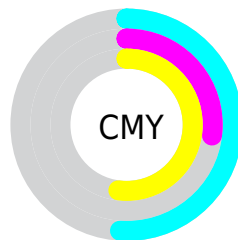
- Red (49%)
- Green (73%)
- Blue (48%)



- Red (48%)
- Yellow (73%)
- Blue (72%)



- Cyan (32%)
- Magenta (0%)
- Yellow (34%)
- Black (27%)



- Cyan (51%)
- Magenta (27%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7382, 40.9835, 25.0821 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 29.7382, 40.9835, 25.0821 by changing the saturation by 10% instead.

■ 29.7382, 40.9835,
25.0821

■ 29.7382, 40.9835,
25.0821

292.6140,
350.2516, 291.7073

■ 19.7870, 28.3062,
15.9187

■ 58.6374, 76.6588,
52.7562

■ 12.3477, 18.5566,
9.3129

■ 78.3161, 100.4257,
72.1038

■ 7.0548, 11.3503,
4.8462

■ 101.9681,
128.6578, 95.6834

■ 3.5430, 6.3030,
2.1002

129.9587,
161.7396, 123.9133

■ 1.4470, 3.0302,
0.6159

162.6532,
200.0555, 157.2121

■ 0.2894, 1.1475,
0.0000

200.4170,

■ 0.0000, 0.0182,

243.9899, 195.9983

0.0000

243.6155,
293.9271, 240.6905

■ 0.0000, 0.0000,
0.0000

■ 29.7382, 40.9835,
25.0821

■ 29.7382, 40.9835,
25.0821

■ 26.2980, 39.3332,
19.4099

■ 33.8644, 42.9643,
31.9430

■ 23.5036, 37.9905,
14.8563

■ 38.7075, 45.2865,
40.0518

■ 21.3156, 36.9380,
11.3481


■ 44.3006, 47.9673,
49.4672


■ 19.6889, 36.1541,
8.8024


■ 50.6736, 51.0208,
60.2432


■ 18.5724, 35.6144,
7.1237

■ 57.8549, 54.4605,
72.4310

 17.9051, 35.2903,
6.1969

 65.8713, 58.2993,
86.0789

 17.6706, 35.1766,
5.8584

 74.7485, 62.5495,
101.2331

 76.8497, 63.5995,
102.8332

Harmonies

Analogous

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



34.5093, 40.9835, 18.1650



29.7382, 40.9835, 25.0821



27.5105, 40.9835, 39.0191

Triad

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



29.7382, 40.9835, 25.0821



36.9439, 40.9835, 92.2012



52.3511, 40.9835, 32.6459

Complementary

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



29.7382, 40.9835, 25.0821



35.4762, 27.7796, 49.9488

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.



53.1974, 40.9835, 50.7416



29.7382, 40.9835, 25.0821



43.7640, 40.9835, 89.0270

Square

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



29.7382, 40.9835, 25.0821



31.3437, 40.9835, 80.0631



49.8996, 40.9835, 72.3400



47.7051, 40.9835, 21.5760

Rectangle

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



29.7382, 40.9835, 25.0821



27.5676, 40.9835, 52.0254



49.8996, 40.9835, 72.3400



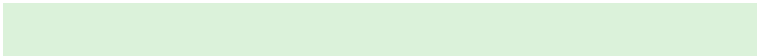
53.1089, 40.9835, 37.9602

Sweetspot

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



29.7393, 40.9852, 25.0830



73.7518, 83.8041, 78.6355



40.7293, 45.6764, 25.4093



15.9347, 18.3081, 16.8011



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.7393, 40.9852, 25.0830



48.9294, 71.8979, 37.2567



31.3430, 41.5764, 35.8017



8.9288, 10.0800, 9.5819



11.9058, 23.6740, 3.9420



0.4332, 0.8415, 0.1396

Inverse Universe

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



35.4762, 27.7796, 49.9488



60.9760, 44.1436, 89.5082



33.4756, 27.0627, 35.6506



9.3376, 9.1404, 11.3516



18.2020, 8.6947, 31.9720



0.6547, 0.3132, 1.1277

Previews

White Background



This preview shows how the XYZ color 29.7382, 40.9835, 25.0821 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 29.7382, 40.9835, 25.0821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

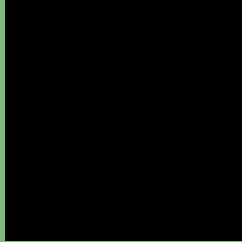
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7382, 40.9835, 25.0821

Background



This preview shows how black text looks on a background with the XYZ color 29.7382, 40.9835, 25.0821.



This preview shows how white text looks on a background with the XYZ color 29.7382, 40.9835,

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

29.7382, 40.9835, 25.0821

Protanopia

37.7814, 40.7245, 22.6989

Deuteranopia

41.2591, 40.5269, 26.0700



Tritanopia

35.8840, 40.7390, 55.8413

Trichromacy



Original Color

29.7382, 40.9835, 25.0821

Protanomaly

34.1649, 40.2751, 23.4259

Deuteranomaly

35.9740, 40.0101, 25.5653

Tritanomaly

33.1278, 40.5009, 42.6306

Monochromacy



Original Color

29.7382, 40.9835, 25.0821

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

31.8539, 37.1519, 33.0959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7382, 40.9835, 25.0821 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(126, 186, 123)` looks like.

```
.text, #text, p{  
    color:rgb(126, 186, 123)  
}
```

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(126, 186, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 186, 123) }
```

Border

The CSS property to change the border of an element to XYZ 29.7382, 40.9835, 25.0821 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(126, 186, 123) }
```


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

```
.border{ border-color:rgb(126, 186, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 186, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 186, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 186, 123);  
box-shadow:4px 4px 4px 4px rgb(126, 186,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7382, 40.9835, 25.0821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 186, 123) }
```

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

```
.background{ background-color: rgb(126,  
186, 123) }
```

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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