

Converting Colors

XYZ(28.7413, 39.6037, 25.1282)

Have a look what the booklet for
XYZ(28.7413, 39.6037, 25.1282)
contains.

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Color

**XYZ(28.7400, 39.5332,
25.1847)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB77C
RGB	123, 183, 124
RGB Percent	48%, 72%, 49%
CMY	0.5176, 0.2823, 0.5137
CMYK	0.33, 0.00, 0.32, 0.28
HSL	121°, 29%, 60%
HSV	121°, 33%, 72%
XYZ	28.7400, 39.5332, 25.1847
YIQ	158.3340, -16.8210, -31.0690

Conversions

Conversions Part 2

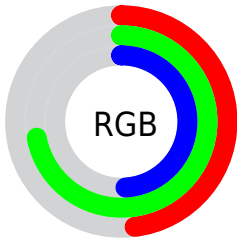
Format	Color
RYB	123, 182, 183
Decimal	8107900
CIELab	69.14, -31.37, 24.02
CIELCh	69, 39.505, 142.559
Yxy	39.5332, 0.3075, 0.4230
Android (android.graphics.Color)	4286297980 (0xFF7BB77C)
YUV	158.3340, -16.9267, -30.9879
Hunter-Lab	62.8754, -28.4407, 20.2642

Details

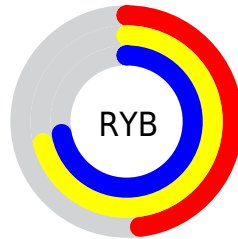
The XYZ color **28.7400, 39.5332, 25.1847** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **35.0563, 27.6115, 47.7395**, and the grayscale version is **32.7320, 34.4366, 37.5014**.

A 20% lighter version of the original color is **56.9338, 74.2544, 52.9268**, and **11.8512, 17.8129, 9.4702** is the 20% darker color. If you saturate the color by 10%, you get **25.3267, 37.8945, 19.6170**, and if you desaturate by 10%, it is **32.8524, 41.5106, 31.8709**.

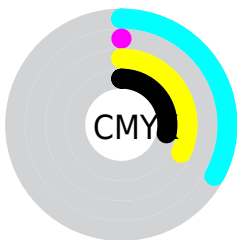
Distribution



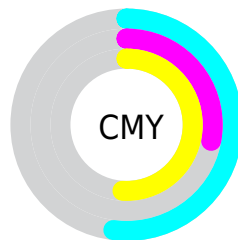
- Red (48%)
- Green (72%)
- Blue (49%)



- Red (48%)
- Yellow (71%)
- Blue (72%)



- Cyan (33%)
- Magenta (0%)
- Yellow (32%)
- Black (28%)



- Cyan (52%)
- Magenta (28%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7400, 39.5332, 25.1847 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 28.7400, 39.5332, 25.1847 by changing the saturation by 10% instead.

■ 28.7400, 39.5332,
25.1847

■ 28.7400, 39.5332,
25.1847

288.0026,
344.1521, 292.2336

■ 19.0275, 27.1748,
15.9944

■ 57.0642, 74.4522,
52.9245

■ 11.7943, 17.7045,
9.3659

■ 76.4066, 97.7815,
72.3112

■ 6.6750, 10.7381,
4.8806

■ 99.6896, 125.5366,
95.9337

■ 3.3042, 5.8910,
2.1198

127.2787,
158.1018, 124.2107

■ 1.3166, 2.7789,
0.6275

159.5392,
195.8616, 157.5606

■ 0.1956, 1.0174,
0.0000

196.8365,

■ 0.0000, 0.0000,

239.2003, 196.4021

0.0000

239.5358,
288.5024, 241.1535

■ 28.7400, 39.5332,
25.1847

■ 28.7400, 39.5332,
25.1847

■ 25.3267, 37.8945,
19.6170

■ 32.8524, 41.5106,
31.8709

■ 22.5709, 36.5708,
15.1043

■ 37.6965, 43.8390,
39.7291

■ 20.4312, 35.5435,
11.5808


■ 43.3066, 46.5358,
48.8126


■ 18.8601, 34.7897,
8.9724


■ 49.7138, 49.6162,
59.1708

■ 17.8036, 34.2833,
7.1943

■ 56.9476, 53.0944,
70.8502

 17.1970, 33.9931,
6.1464

 65.0360, 56.9838,
83.8949

 16.9510, 33.8752,
5.7328

 74.0056, 61.2972,
98.3472

 76.2243, 62.3486,
102.6248

Harmonies

Analogous

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



33.1092, 39.5332, 18.2658



28.7400, 39.5332, 25.1847



26.7808, 39.5332, 38.6993

Triad

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



28.7400, 39.5332, 25.1847



36.0254, 39.5332, 87.5218



49.9329, 39.5332, 31.0410

Complementary

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



28.7400, 39.5332, 25.1847



35.0563, 27.6115, 47.7395

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.



50.9385, 39.5332, 47.7043



28.7400, 39.5332, 25.1847



42.4256, 39.5332, 83.7781

Square

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



28.7400, 39.5332, 25.1847



30.6699, 39.5332, 76.9562



48.0574, 39.5332, 67.8192



45.4460, 39.5332, 20.9270

Rectangle

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



28.7400, 39.5332, 25.1847



26.9312, 39.5332, 51.0532



48.0574, 39.5332, 67.8192



50.7083, 39.5332, 35.9212

Sweetspot

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



28.7410, 39.5349, 25.1856



70.0105, 79.7129, 75.2011



39.8018, 45.2442, 25.3745



15.1656, 17.4631, 16.1276



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.



28.7410, 39.5349, 25.1856



47.1493, 68.7260, 38.0578



30.9358, 40.4128, 36.7429



8.8963, 10.0625, 9.6111



11.8273, 23.6319, 4.0125



0.4190, 0.8339, 0.1523

Inverse Universe

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



35.0563, 27.6115, 47.7395



60.1322, 44.2112, 84.4225



32.2801, 26.5010, 33.1207



9.3743, 9.1601, 11.3185



19.3695, 9.3216, 30.8962



0.6849, 0.3294, 1.1001

Previews

White Background



This preview shows how the XYZ color 28.7400, 39.5332, 25.1847 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 28.7400, 39.5332, 25.1847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

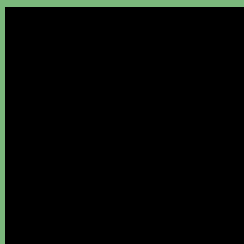
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.7400, 39.5332, 25.1847

Background



This preview shows how black text looks on a background with the XYZ color 28.7400, 39.5332, 25.1847.



This preview shows how white text looks on a background with the XYZ color 28.7400, 39.5332,

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

28.7400, 39.5332, 25.1847

Protanopia

36.3287, 39.1370, 22.7790

Deuteranopia

39.7333, 38.9450, 26.1919



Tritanopia

34.5070, 39.4850, 53.9468

Trichromacy



Original Color

28.7400, 39.5332, 25.1847

Protanomaly

32.8309, 38.7168, 23.5120

Deuteranomaly

34.5963, 38.4543, 25.6777

Tritanomaly

32.0720, 39.3827, 41.5086

Monochromacy



Original Color

28.7400, 39.5332, 25.1847

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.6841, 35.7325, 32.4740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7400, 39.5332, 25.1847 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(123, 183, 124)` looks like.

```
.text, #text, p{  
    color:rgb(123, 183, 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(123, 183, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 183, 124) }
```

Border

The CSS property to change the border of an element to XYZ 28.7400, 39.5332, 25.1847 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(123, 183, 124) }
```


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

```
.border{ border-color:rgb(123, 183, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 183, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 183, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 183, 124);  
box-shadow:4px 4px 4px 4px rgb(123, 183,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7400, 39.5332, 25.1847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 183, 124) }
```

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

```
.background{ background-color: rgb(123,  
183, 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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