

Converting Colors

XYZ(30.4217, 23.3330, 56.2822)

Have a look what the booklet for
XYZ(30.4217, 23.3330, 56.2822)
contains.

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Color

**XYZ(30.3962, 23.2584,
56.3133)**

Conversions

Conversions Part 1

Format	Color
Hex	9F71C6
RGB	159, 113, 198
RGB Percent	62%, 44%, 78%
CMY	0.3765, 0.5569, 0.2235
CMYK	0.20, 0.43, 0.00, 0.22
HSL	272°, 43%, 61%
HSV	272°, 43%, 78%
XYZ	30.3962, 23.2584, 56.3133
YIQ	136.4440, 0.1310, 36.1870

Conversions

Conversions Part 2

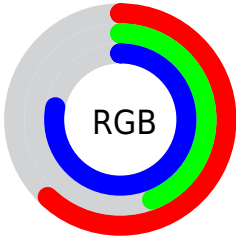
Format	Color
RYB	159, 113, 198
Decimal	10449350
CIELab	55.34, 34.44, -37.54
CIELCh	55, 50.944, 312.528
Yxy	23.2584, 0.2764, 0.2115
Android (android.graphics.Color)	4288639430 (0xFF9F71C6)
YUV	136.4440, 30.3471, 19.7816
Hunter-Lab	48.2270, 28.1067, -35.4724

Details

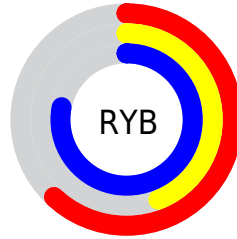
The XYZ color **30.3962, 23.2584, 56.3133** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **36.1243, 48.2563, 23.0342**, and the grayscale version is **23.4586, 24.6803, 26.8768**.

A 20% lighter version of the original color is **59.7105, 48.9395, 100.9069**, and **12.8113, 8.7446, 27.3982** is the 20% darker color. If you saturate the color by 10%, you get **26.6878, 18.4178, 55.5748**, and if you desaturate by 10%, it is **34.7206, 29.1328, 57.2196**.

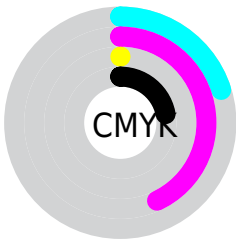
Distribution



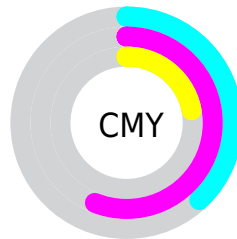
- Red (62%)
- Green (44%)
- Blue (78%)



- Red (62%)
- Yellow (44%)
- Blue (78%)



- Cyan (20%)
- Magenta (43%)
- Yellow (0%)
- Black (22%)





- Cyan (38%)
- Magenta (56%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3962, 23.2584, 56.3133 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 30.3962, 23.2584, 56.3133 by changing the saturation by 10% instead.

 30.3962, 23.2584,
56.3133

 30.3962, 23.2584,
56.3133


295.6237,
269.0494, 428.2926

 20.2891, 14.7844,
40.0485


 59.6705, 48.8173,
100.9529


 12.7148, 8.6682,
27.2623

 79.5684, 66.6710,
130.1647

 7.3081, 4.5254,
17.5361


 103.4606, 88.4200,
164.5293

 3.7036, 1.9716,
10.4515

 131.7125,
114.4488, 204.4652

 1.5358, 0.5909,
5.5898

164.6894,
145.1417, 250.3909

 0.3500, 0.0000,
2.5326

202.7566,

 0.0000, 0.0000,

180.8832, 302.7251

0.8573

246.2796,
222.0577, 361.8861

■ 0.0000, 0.0000,
0.0000

■ 30.3962, 23.2584,
56.3133

■ 30.3962, 23.2584,
56.3133

■ 26.6878, 18.4178,
55.5748

■ 34.7206, 29.1328,
57.2196

■ 23.5583, 14.5435,
54.9919

■ 39.6900, 36.0973,
58.3020

■ 20.9702, 11.5640,
54.5532

■ 45.3345, 44.2073,
59.5699

■ 18.8798, 9.3962,
54.2450

■ 51.6813, 53.5135,
61.0317

■ 17.2349, 7.9406,
54.0507

■ 58.7561, 64.0635,
62.6951

■ 16.2750, 7.2126,
53.9608

■ 66.5833, 75.9025,
64.5678

■ 75.1859, 89.0731,
66.6565

■ 79.1279, 92.6995,
67.1487

■ 82.1483, 94.2566,
67.2901

Harmonies

Analogous

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



24.5764, 23.2584, 70.1372



30.3962, 23.2584, 56.3133



34.3306, 23.2584, 35.9961

Triad

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



30.3962, 23.2584, 56.3133



25.5722, 23.2584, 5.6057



13.0217, 23.2584, 32.7817

Complementary

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



30.3962, 23.2584, 56.3133



36.1243, 48.2563, 23.0342

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.



13.1948, 23.2584, 17.0027



30.3962, 23.2584, 56.3133



19.8077, 23.2584, 5.3525

Square

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



30.3962, 23.2584, 56.3133



31.2326, 23.2584, 9.4534



15.4801, 23.2584, 8.4927



14.9575, 23.2584, 53.1057

Rectangle

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



30.3962, 23.2584, 56.3133



35.0004, 23.2584, 23.9619



15.4801, 23.2584, 8.4927



12.8461, 23.2584, 26.7377

Sweetspot

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



30.3970, 23.2593, 56.3138



79.9954, 77.8714, 105.4222



28.3407, 30.2623, 57.7739



16.6218, 15.9430, 22.4512



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



30.3970, 23.2593, 56.3138



47.3480, 32.7280, 98.4294



39.0636, 27.7645, 55.0292



10.5958, 10.5654, 13.3984



10.6837, 4.7419, 35.0965



0.5887, 0.2672, 1.6657

Inverse Universe

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



34.8620, 26.0839, 32.9039



56.8210, 38.7064, 49.4071



30.1476, 45.1565, 23.6003



10.8329, 10.7165, 12.1032



16.4111, 8.3140, 7.3749



0.8135, 0.4082, 0.5412

Previews

White Background



This preview shows how the XYZ color 30.3962, 23.2584, 56.3133 looks on a white background.

Color Contrast Check

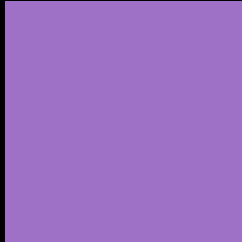
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3962, 23.2584, 56.3133 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 × Fail

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

XYZ 30.3962, 23.2584, 56.3133

Background



This preview shows how black text looks on a background with the XYZ color 30.3962, 23.2584, 56.3133.



This preview shows how white text looks on a background with the XYZ color 30.3962, 23.2584,

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

30.3962, 23.2584, 56.3133

Protanopia

25.3597, 23.5361, 66.1571

Deuteranopia

24.0523, 23.5234, 54.3117



Tritanopia

24.4992, 23.3744, 26.8874

Trichromacy



Original Color

30.3962, 23.2584, 56.3133

Protanomaly

26.6189, 23.1069, 62.7316

Deuteranomaly

25.7881, 23.0430, 54.7183

Tritanomaly

26.3544, 23.1946, 35.8889

Monochromacy



Original Color

30.3962, 23.2584, 56.3133

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.4788, 23.8708, 36.0655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3962, 23.2584, 56.3133 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(159, 113, 198)` looks like.

```
.text, #text, p{  
    color:rgb(159, 113, 198)  
}
```

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(159, 113, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 113, 198) }
```

Border

The CSS property to change the border of an element to XYZ 30.3962, 23.2584, 56.3133 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(159, 113, 198) }
```


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

```
.border{ border-color:rgb(159, 113, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 113, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 113, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 113, 198);  
box-shadow:4px 4px 4px 4px rgb(159, 113,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3962, 23.2584, 56.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 113, 198) }
```

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

```
.background{ background-color: rgb(159,  
113, 198) }
```

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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