

Converting Colors

XYZ(32.1102, 28.3993, 53.6587)

Have a look what the booklet for
XYZ(32.1102, 28.3993, 53.6587)
contains.

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Color

**XYZ(32.0830, 28.3018,
53.6410)**

Conversions

Conversions Part 1

Format	Color
Hex	9D87C0
RGB	157, 135, 192
RGB Percent	62%, 53%, 75%
CMY	0.3843, 0.4706, 0.2471
CMYK	0.18, 0.30, 0.00, 0.25
HSL	263°, 31%, 64%
HSV	263°, 30%, 75%
XYZ	32.0830, 28.3018, 53.6410
YIQ	148.0760, -5.1850, 22.3910

Conversions

Conversions Part 2

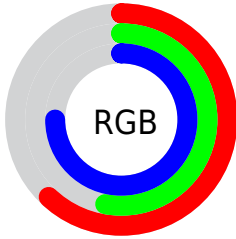
Format	Color
RYB	157, 135, 192
Decimal	10323904
CIELab	60.16, 19.86, -26.65
CIElCh	60, 33.233, 306.695
Yxy	28.3018, 0.2814, 0.2482
Android (android.graphics.Color)	4288513984 (0xFF9D87C0)
YUV	148.0760, 21.6545, 7.8263
Hunter-Lab	53.1994, 14.5490, -22.5425

Details

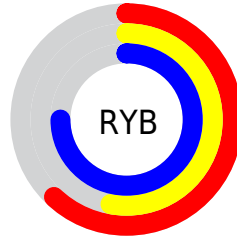
The XYZ color **32.0830, 28.3018, 53.6410** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **39.8013, 47.9953, 30.0892**, and the grayscale version is **28.0948, 29.5580, 32.1886**.

A 20% lighter version of the original color is **62.2335, 56.8030, 97.3066**, and **13.6616, 11.3352, 25.5126** is the 20% darker color. If you saturate the color by 10%, you get **27.4517, 22.2903, 52.7252**, and if you desaturate by 10%, it is **37.4212, 35.3962, 54.7295**.

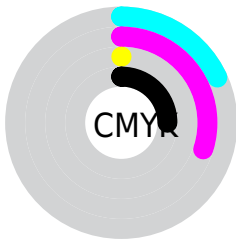
Distribution



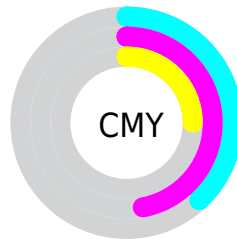
- Red (62%)
- Green (53%)
- Blue (75%)



- Red (62%)
- Yellow (53%)
- Blue (75%)



- Cyan (18%)
- Magenta (30%)
- Yellow (0%)
- Black (25%)



- Cyan (38%)
- Magenta (47%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0830, 28.3018, 53.6410 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 32.0830, 28.3018, 53.6410 by changing the saturation by 10% instead.

■ 32.0830, 28.3018,
53.6410

■ 32.0830, 28.3018,
53.6410

303.2357,
293.9062, 417.8754

■ 21.5808, 18.5533,
37.9235

■ 62.3055, 56.9659,
96.9980

■ 13.6640, 11.3479,
25.6219

■ 82.7565, 76.6503,
125.4746

■ 7.9675, 6.3014,
16.3178

■ 107.2544,
100.4155, 159.0413

■ 4.1258, 3.0292,
9.5925

136.1646,
128.6457, 198.1167

■ 1.7735, 1.1470,
5.0276

169.8525,
161.7256, 243.1192

■ 0.5017, 0.0178,
2.2044

208.6834,

■ 0.0000, 0.0000,

200.0393, 294.4675

0.6769

253.0227,
243.9714, 352.5800

■ 0.0000, 0.0000,
0.0000

■ 32.0830, 28.3018,
53.6410

■ 32.0830, 28.3018,
53.6410

■ 27.4517, 22.2903,
52.7252

■ 37.4212, 35.3962,
54.7295

■ 23.4923, 17.3030,
51.9713

■ 43.4936, 43.6211,
55.9970

■ 20.1708, 13.2810,
51.3700

■ 50.3292, 53.0256,
57.4520

■ 17.4487, 10.1574,
50.9105

■ 57.9548, 63.6547,
59.1017

■ 15.2829, 7.8567,
50.5806

■ 66.3957, 75.5511,
60.9530

13.6233, 6.2902,
50.3657

75.6759, 88.7552,
63.0125

12.3817, 5.2936,
50.2388

81.0502, 93.7688,
63.6970

12.3466, 5.2658,
50.2353

85.1733, 95.8944,
63.8900

86.5145, 96.5858,
63.9527

Harmonies

Analogous

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



27.8637, 28.3018, 60.3838



32.0830, 28.3018, 53.6410



35.1222, 28.3018, 41.0303

Triad

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



32.0830, 28.3018, 53.6410



30.2633, 28.3018, 13.9354



19.5746, 28.3018, 33.6247

Complementary

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



32.0830, 28.3018, 53.6410



39.8013, 47.9953, 30.0892

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.



20.0730, 28.3018, 22.4551



32.0830, 28.3018, 53.6410



25.9588, 28.3018, 12.9299

Square

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



32.0830, 28.3018, 53.6410



33.9968, 28.3018, 18.8427



22.3076, 28.3018, 15.6049



20.8667, 28.3018, 47.0177

Rectangle

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



32.0830, 28.3018, 53.6410



35.9081, 28.3018, 32.1847



22.3076, 28.3018, 15.6049



19.5405, 28.3018, 29.4864

Sweetspot

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



32.0839, 28.3030, 53.6416



79.4425, 79.9062, 101.5967



33.9099, 37.7634, 55.3714



16.6758, 16.6412, 21.7185



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



32.0839, 28.3030, 53.6416



52.2168, 43.5719, 96.0184



38.2713, 31.4927, 53.9312



9.8877, 9.9333, 12.6810



8.3890, 3.5851, 33.8065



0.4396, 0.1947, 1.4643

Inverse Universe

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



37.6588, 31.4378, 42.1146



64.2368, 50.3404, 70.7408



34.3191, 45.1691, 29.8326



10.3272, 10.1795, 11.8137



16.8627, 8.4349, 12.4552



0.7615, 0.3776, 0.7113

Previews

White Background



This preview shows how the XYZ color 32.0830, 28.3018, 53.6410 looks on a white background.

Color Contrast Check

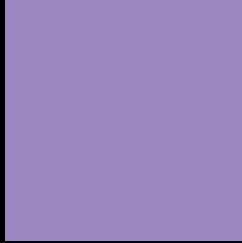
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.0830, 28.3018, 53.6410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

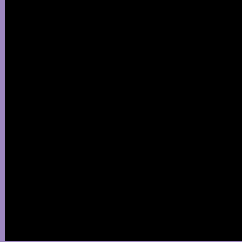
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.0830, 28.3018, 53.6410

Background



This preview shows how black text looks on a background with the XYZ color 32.0830, 28.3018, 53.6410.



This preview shows how white text looks on a background with the XYZ color 32.0830, 28.3018,

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

32.0830, 28.3018, 53.6410

Protanopia

29.0688, 28.3893, 57.3737

Deuteranopia

29.1084, 28.5135, 52.6847



Tritanopia

28.0834, 28.1631, 34.5277

Trichromacy



Original Color

32.0830, 28.3018, 53.6410

Protanomaly

29.9894, 28.2307, 56.0930

Deuteranomaly

30.1097, 28.3574, 53.1768

Tritanomaly

29.4374, 28.0647, 40.9113

Monochromacy



Original Color

32.0830, 28.3018, 53.6410

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.2858, 28.9046, 39.1576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0830, 28.3018, 53.6410 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(157, 135, 192)` looks like.

```
.text, #text, p{  
    color:rgb(157, 135, 192)  
}
```

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(157, 135, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 135, 192) }
```

Border

The CSS property to change the border of an element to XYZ 32.0830, 28.3018, 53.6410 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(157, 135, 192) }
```


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

```
.border{ border-color:rgb(157, 135, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 135, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 135, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 135, 192);  
box-shadow:4px 4px 4px 4px rgb(157, 135,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0830, 28.3018, 53.6410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 135, 192) }
```

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

```
.background{ background-color: rgb(157,  
135, 192) }
```

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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