

Converting Colors

XYZ(32.1703, 28.1246, 53.1676)

Have a look what the booklet for
XYZ(32.1703, 28.1246, 53.1676)
contains.

XYZ(32.2271, 28.1827, 53.0315)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.2271, 28.1827,
53.0315)**

Conversions

Conversions Part 1

Format	Color
Hex	9F86BF
RGB	159, 134, 191
RGB Percent	62%, 53%, 75%
CMY	0.3765, 0.4745, 0.2510
CMYK	0.17, 0.30, 0.00, 0.25
HSL	266°, 31%, 64%
HSV	266°, 30%, 75%
XYZ	32.2271, 28.1827, 53.0315
YIQ	147.9730, -3.3970, 23.0270

Conversions

Conversions Part 2

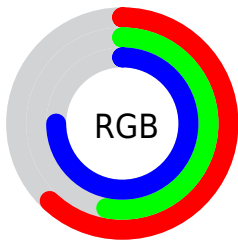
Format	Color
R_{YB}	159, 134, 191
Decimal	10454719
CIE _{Lab}	60.05, 20.84, -26.23
CIE _{LCh}	60, 33.502, 308.466
Yxy	28.1827, 0.2841, 0.2484
Android (android.graphics.Color)	4288644799 (0xFF9F86BF)
YUV	147.9730, 21.2123, 9.6707
Hunter-Lab	53.0874, 15.4569, -22.0664

Details

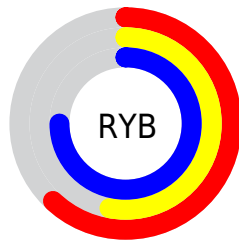
The XYZ color **32.2271, 28.1827, 53.0315** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **38.6607, 47.0906, 29.6073**, and the grayscale version is **28.0532, 29.5142, 32.1409**.

A 20% lighter version of the original color is **62.4452, 56.6141, 96.4433**, and **13.7491, 11.2726, 25.1181** is the 20% darker color. If you saturate the color by 10%, you get **27.7870, 22.3230, 52.1349**, and if you desaturate by 10%, it is **37.3304, 35.0934, 54.0969**.

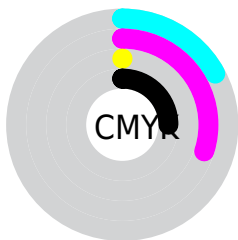
Distribution



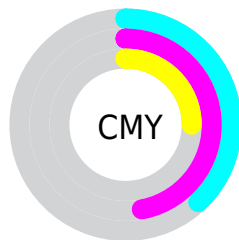
- Red (62%)
- Green (53%)
- Blue (75%)



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



- Cyan (17%)
- Magenta (30%)
- Yellow (0%)
- Black (25%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2271, 28.1827, 53.0315 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 32.2271, 28.1827, 53.0315 by changing the saturation by 10% instead.

■ 32.2271, 28.1827,
53.0315

■ 32.2271, 28.1827,
53.0315

303.8794,
293.3389, 415.4757

■ 21.6914, 18.4634,
37.4400

■ 62.5297, 56.7760,
96.0927

■ 13.7457, 11.2832,
25.2499

■ 83.0274, 76.4188,
124.3996

■ 8.0245, 6.2577,
16.0426

■ 107.5764,
100.1383, 157.7819

■ 4.1626, 3.0024,
9.3996

136.5421,
128.3188, 196.6584

■ 1.7945, 1.1330,
4.9024

170.2900,
161.3447, 241.4474

■ 0.5144, 0.0059,
2.1324

209.1852,

■ 0.0000, 0.0000,

199.6004, 292.5676

0.6349

253.5932,
243.4703, 350.4375

■ 0.0000, 0.0000,
0.0000

■ 32.2271, 28.1827,
53.0315

■ 32.2271, 28.1827,
53.0315

■ 27.7870, 22.3230,
52.1349

■ 37.3304, 35.0934,
54.0969

■ 23.9768, 17.4569,
51.3965

■ 43.1222, 43.1014,
55.3373

■ 20.7647, 13.5271,
50.8073

■ 49.6300, 52.2544,
56.7610

■ 18.1142, 10.4684,
50.3566

■ 56.8789, 62.5962,
58.3751

■ 15.9845, 8.2069,
50.0323

■ 64.8926, 74.1684,
60.1864

■ 14.3282, 6.6560,
49.8203

■ 73.6938, 87.0104,
62.2013

■ 13.0581, 5.6503,
49.6931

■ 79.1165, 92.7847,
63.0301

■ 13.0397, 5.6359,
49.6913

■ 82.7457, 94.6557,
63.1999

■ 86.4041, 96.5416,
63.3711

Harmonies

Analogous

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



28.0142, 28.1827, 60.3242



32.2271, 28.1827, 53.0315



35.1754, 28.1827, 40.1542

Triad

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



32.2271, 28.1827, 53.0315



29.9157, 28.1827, 13.5954



19.4572, 28.1827, 34.2808

Complementary

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



32.2271, 28.1827, 53.0315



38.6607, 47.0906, 29.6073

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.



19.8507, 28.1827, 22.8374



32.2271, 28.1827, 53.0315



25.5958, 28.1827, 12.8060

Square

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



32.2271, 28.1827, 53.0315



33.7453, 28.1827, 18.2575



21.9961, 28.1827, 15.7087



20.8574, 28.1827, 47.7654

Rectangle

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



32.2271, 28.1827, 53.0315



35.8637, 28.1827, 31.3201



21.9961, 28.1827, 15.7087



19.3873, 28.1827, 30.0609

Sweetspot

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



32.2280, 28.1839, 53.0321



78.0038, 78.2723, 99.2760



32.9273, 36.2126, 54.5450



16.7729, 16.6913, 21.7230



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.



32.2280, 28.1839, 53.0321



52.2412, 43.2133, 93.8667



38.4724, 31.4029, 53.3244



9.4029, 9.4245, 11.9957



8.6586, 3.7498, 32.6603



0.4143, 0.1856, 1.2828

Inverse Universe

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



36.8948, 30.8809, 40.0937



62.1817, 48.9641, 66.0392



33.3830, 44.3698, 29.3603



9.7484, 9.6237, 11.0640



15.9133, 7.9965, 10.1031



0.6557, 0.3262, 0.5661

Previews

White Background



This preview shows how the XYZ color 32.2271, 28.1827, 53.0315 looks on a white background.

Color Contrast Check

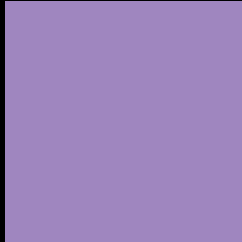
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2271, 28.1827, 53.0315 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 32.2271, 28.1827, 53.0315

Background



This preview shows how black text looks on a background with the XYZ color 32.2271, 28.1827, 53.0315.



This preview shows how white text looks on a background with the XYZ color 32.2271, 28.1827,

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

32.2271, 28.1827, 53.0315

Protanopia

29.0688, 28.3893, 57.3737

Deuteranopia

28.8500, 28.1710, 52.0611



Tritanopia

28.4115, 28.1220, 34.0676

Trichromacy



Original Color

32.2271, 28.1827, 53.0315

Protanomaly

30.0436, 28.2717, 55.5033

Deuteranomaly

30.0285, 28.1122, 52.5587

Tritanomaly

29.5811, 27.9355, 40.3922

Monochromacy



Original Color

32.2271, 28.1827, 53.0315

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.4722, 29.0007, 39.1663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2271, 28.1827, 53.0315 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, 134, 191)` looks like.

```
.text, #text, p{  
    color:rgb(159, 134, 191)  
}
```

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, 134, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 134, 191) }
```

Border

The CSS property to change the border of an element to XYZ 32.2271, 28.1827, 53.0315 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, 134, 191) }
```


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

```
.border{ border-color:rgb(159, 134, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 134, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 134, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 134, 191);  
box-shadow:4px 4px 4px 4px rgb(159, 134,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2271, 28.1827, 53.0315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 134, 191) }
```

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

```
.background{ background-color: rgb(159,  
134, 191) }
```

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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