

Converting Colors

XYZ(32.1386, 29.5503, 46.6607)

Have a look what the booklet for
XYZ(32.1386, 29.5503, 46.6607)
contains.

XYZ(32.2127, 29.5879, 46.6611)	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(32.2127, 29.5879,
46.6611)**

Conversions

Conversions Part 1

Format	Color
Hex	A18CB3
RGB	161, 140, 179
RGB Percent	63%, 55%, 70%
CMY	0.3686, 0.4510, 0.2980
CMYK	0.10, 0.22, 0.00, 0.30
HSL	272°, 20%, 63%
HSV	272°, 22%, 70%
XYZ	32.2127, 29.5879, 46.6611
YIQ	150.7250, -0.0030, 16.5810

Conversions

Conversions Part 2

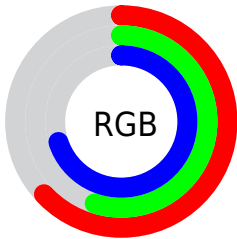
Format	Color
R_{YB}	161, 140, 179
Decimal	10587315
CIE _{Lab}	61.30, 15.43, -17.52
CIE _{LCh}	61, 23.341, 311.374
Yxy	29.5879, 0.2970, 0.2728
Android (android.graphics.Color)	4288777395 (0xFFA18CB3)
YUV	150.7250, 13.9396, 9.0112
Hunter-Lab	54.3948, 10.5173, -12.7840

Details

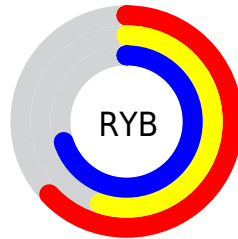
The XYZ color **32.2127, 29.5879, 46.6611** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **34.9553, 41.4035, 30.9617**, and the grayscale version is **29.2411, 30.7639, 33.5019**.

A 20% lighter version of the original color is **62.6061, 59.1807, 86.7206**, and **13.7287, 12.0699, 21.3448** is the 20% darker color. If you saturate the color by 10%, you get **28.1968, 23.9462, 45.7843**, and if you desaturate by 10%, it is **36.7660, 36.1398, 47.6862**.

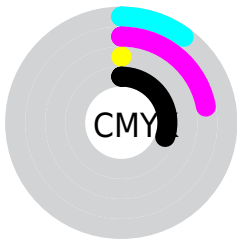
Distribution



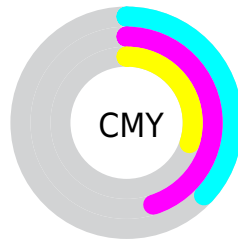
- Red (63%)
- Green (55%)
- Blue (70%)



- Red (63%)
- Yellow (55%)
- Blue (70%)



- Cyan (10%)
- Magenta (22%)
- Yellow (0%)
- Black (30%)



- Cyan (37%)
- Magenta (45%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2127, 29.5879, 46.6611 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 32.2127, 29.5879, 46.6611 by changing the saturation by 10% instead.

■ 32.2127, 29.5879,
46.6611

■ 32.2127, 29.5879,
46.6611

303.8151,
299.9788, 389.8147

■ 21.6803, 19.5260,
32.4154

■ 62.5073, 59.0099,
86.5522

■ 13.7375, 12.0510,
21.4115

■ 83.0003, 79.1387,
113.0347

■ 8.0188, 6.7784,
13.2310

■ 107.5442,
103.3920, 144.4332

■ 4.1589, 3.3239,
7.4552

136.5044,
132.1541, 181.1662

■ 1.7924, 1.3031,
3.6656

170.2463,
165.8095, 223.6524

■ 0.5131, 0.1436,
1.4438

209.1351,

■ 0.0000, 0.0000,

204.7424, 272.3101

0.1755

253.5363,
249.3374, 327.5580

■ 0.0000, 0.0000,
0.0000

■ 32.2127, 29.5879,
46.6611

■ 32.2127, 29.5879,
46.6611

■ 28.1968, 23.9462,
45.7843

■ 36.7660, 36.1398,
47.6862

■ 24.6928, 19.1687,
45.0468

■ 41.8750, 43.6374,
48.8641

■ 21.6773, 15.2112,
44.4418

■ 47.5607, 52.1191,
50.2016

■ 19.1235, 12.0235,
43.9612

■ 53.8421, 61.6197,
51.7043

■ 17.0021, 9.5503,
43.5956

■ 60.7371, 72.1727,
53.3778

15.2795, 7.7280,
43.3347

68.2630, 83.8096,
55.2273

13.9163, 6.4815,
43.1659

73.0605, 89.8092,
56.1325

13.0009, 5.7623,
43.0753

75.6058, 91.1213,
56.2516

78.2762, 92.4980,
56.3766

Harmonies

Analogous

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



29.3042, 29.5879, 51.8232



32.2127, 29.5879, 46.6611



34.1033, 29.5879, 37.9307

Triad

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



32.2127, 29.5879, 46.6611



30.0527, 29.5879, 18.6907



22.7169, 29.5879, 35.6709

Complementary

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



32.2127, 29.5879, 46.6611



34.9553, 41.4035, 30.9617

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.



22.8851, 29.5879, 27.1066



32.2127, 29.5879, 46.6611



26.9729, 29.5879, 18.3078

Square

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



32.2127, 29.5879, 46.6611



32.7950, 29.5879, 22.2732



24.3939, 29.5879, 21.1102



23.9162, 29.5879, 44.7496

Rectangle

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



32.2127, 29.5879, 46.6611



34.4546, 29.5879, 31.8121



24.3939, 29.5879, 21.1102



22.6178, 29.5879, 32.6237

Sweetspot

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



32.2136, 29.5891, 46.6618



69.9910, 70.7774, 86.3537



31.2140, 33.3533, 47.4410



15.3883, 15.5075, 19.1044



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



32.2136, 29.5891, 46.6618



54.2288, 48.0925, 82.8058



35.9751, 31.5434, 46.1546



8.4644, 8.4479, 10.6908



9.2628, 4.1109, 30.4423



0.3579, 0.1636, 0.9610

Inverse Universe

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



34.1410, 30.8098, 36.4966



58.3681, 50.7114, 61.0888



31.7664, 39.7485, 31.3158



8.6541, 8.5683, 9.6768



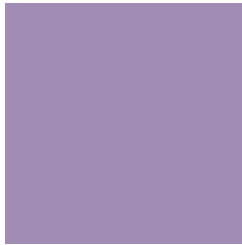
14.2620, 7.2223, 6.5395



0.4783, 0.2391, 0.3614

Previews

White Background



This preview shows how the XYZ color 32.2127, 29.5879, 46.6611 looks on a white background.

Color Contrast Check

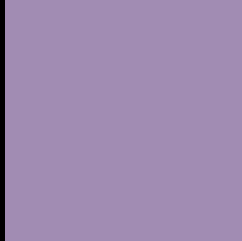
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2127, 29.5879, 46.6611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

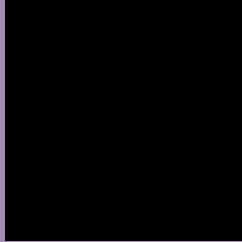
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.2127, 29.5879, 46.6611

Background



This preview shows how black text looks on a background with the XYZ color 32.2127, 29.5879, 46.6611.



This preview shows how white text looks on a background with the XYZ color 32.2127, 29.5879,

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

32.2127, 29.5879, 46.6611

Protanopia

29.7329, 29.8171, 49.5356

Deuteranopia

30.3740, 29.7611, 46.2631



Tritanopia

29.8786, 29.5149, 35.5747

Trichromacy



Original Color

32.2127, 29.5879, 46.6611

Protanomaly

30.4494, 29.5270, 48.3504

Deuteranomaly

30.9952, 29.6316, 46.2053

Tritanomaly

30.6239, 29.5944, 39.2202

Monochromacy



Original Color

32.2127, 29.5879, 46.6611

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.3843, 30.4092, 37.9864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2127, 29.5879, 46.6611 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(161, 140, 179)` looks like.

```
.text, #text, p{  
    color:rgb(161, 140, 179)  
}
```

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(161, 140, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 140, 179) }
```

Border

The CSS property to change the border of an element to XYZ 32.2127, 29.5879, 46.6611 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(161, 140, 179) }
```


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

```
.border{ border-color:rgb(161, 140, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 140, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 140, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 140, 179);  
box-shadow:4px 4px 4px 4px rgb(161, 140,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2127, 29.5879, 46.6611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 140, 179) }
```

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

```
.background{ background-color: rgb(161,  
140, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor