

Converting Colors

XYZ(31.3715, 27.2030, 45.4235)

Have a look what the booklet for
XYZ(31.3715, 27.2030, 45.4235)
contains.

XYZ(31.3620, 27.2994, 45.2113)	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(31.3620, 27.2994,
45.2113)**

Conversions

Conversions Part 1

Format	Color
Hex	A483B1
RGB	164, 131, 177
RGB Percent	64%, 51%, 69%
CMY	0.3569, 0.4863, 0.3059
CMYK	0.07, 0.26, 0.00, 0.31
HSL	283°, 23%, 60%
HSV	283°, 26%, 69%
XYZ	31.3620, 27.2994, 45.2113
YIQ	146.1110, 4.9020, 21.3020

Conversions

Conversions Part 2

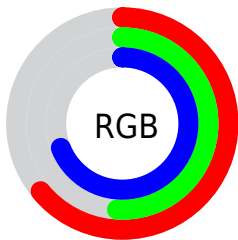
Format	Color
RYB	164, 131, 177
Decimal	10781617
CIELab	59.25, 21.15, -19.47
CIELCh	59, 28.747, 317.378
Yxy	27.2994, 0.3019, 0.2628
Android (android.graphics.Color)	4288971697 (0xFFA483B1)
YUV	146.1110, 15.2283, 15.6887
Hunter-Lab	52.2488, 15.7080, -14.7299

Details

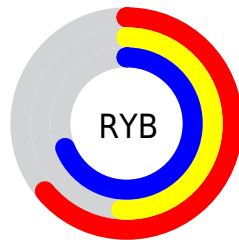
The XYZ color **31.3620, 27.2994, 45.2113** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.3212, 39.0129, 27.3533**, and the grayscale version is **27.3059, 28.7280, 31.2848**.

A 20% lighter version of the original color is **61.0619, 55.2242, 84.5318**, and **13.2626, 10.7848, 20.4514** is the 20% darker color. If you saturate the color by 10%, you get **28.1729, 22.4233, 44.4386**, and if you desaturate by 10%, it is **34.9995, 33.0110, 46.1224**.

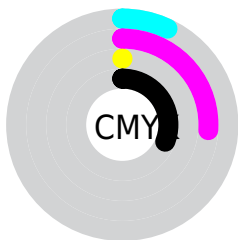
Distribution



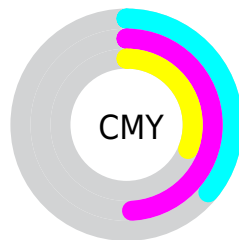
- Red (64%)
- Green (51%)
- Blue (69%)



- Red (64%)
- Yellow (51%)
- Blue (69%)



- Cyan (7%)
- Magenta (26%)
- Yellow (0%)
- Black (31%)



- Cyan (36%)
- Magenta (49%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3620, 27.2994, 45.2113 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 31.3620, 27.2994, 45.2113 by changing the saturation by 10% instead.

■ 31.3620, 27.2994,
45.2113

■ 31.3620, 27.2994,
45.2113

299.9998,
289.1039, 383.8137

■ 21.0278, 17.7982,
31.2797

■ 61.1815, 55.3639,
84.3592

■ 13.2569, 10.8052,
20.5517

■ 81.3976, 74.6961,
110.4126

■ 7.6839, 5.9360,
12.6087

■ 105.6384, 98.0740,
141.3437

■ 3.9435, 2.8062,
7.0321

134.2691,
125.8820, 177.5711

■ 1.6702, 1.0314,
3.4034

167.6553,
158.5047, 219.5132

■ 0.4375, 0.0000,
1.3041

206.1623,

■ 0.0000, 0.0000,

196.3262, 267.5887

0.0652

250.1553,
239.7312, 322.2160

■ 0.0000, 0.0000,
0.0000

■ 31.3620, 27.2994,
45.2113

■ 31.3620, 27.2994,
45.2113

■ 28.1729, 22.4233,
44.4386

■ 34.9995, 33.0110,
46.1224

■ 25.4086, 18.3377,
43.7957

■ 39.1025, 39.5931,
47.1767

■ 23.0470, 14.9985,
43.2757

■ 43.6902, 47.0830,
48.3806

■ 21.0629, 12.3561,
42.8702

■ 48.7799, 55.5149,
49.7398

■ 19.4279, 10.3544,
42.5700

■ 54.3883, 64.9210,
51.2598

■ 18.1092, 8.9287,
42.3643

■ 60.5309, 75.3320,
52.9456

■ 17.0644, 7.9947,
42.2391

■ 67.2227, 86.7774,
54.8021

■ 16.6854, 7.6849,
42.1993

■ 68.6027, 87.5343,
54.8754

■ 69.9961, 88.2526,
54.9406

Harmonies

Analogous

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



28.0628, 27.2994, 52.8486



31.3620, 27.2994, 45.2113



33.2784, 27.2994, 34.2542

Triad

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



31.3620, 27.2994, 45.2113



27.4841, 27.2994, 14.3122



19.9045, 27.2994, 36.0248

Complementary

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



31.3620, 27.2994, 45.2113



31.3212, 39.0129, 27.3533

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.



19.7805, 27.2994, 25.6127



31.3620, 27.2994, 45.2113



23.9408, 27.2994, 14.5745

Square

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



31.3620, 27.2994, 45.2113



30.9048, 27.2994, 17.4273



21.1946, 27.2994, 18.2522



21.5504, 27.2994, 46.7622

Rectangle

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



31.3620, 27.2994, 45.2113



33.4080, 27.2994, 27.2586



21.1946, 27.2994, 18.2522



19.6892, 27.2994, 32.3346

Sweetspot

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



31.3629, 27.3006, 45.2119



68.3790, 68.2403, 84.0630



27.2752, 27.9573, 45.5541



14.5773, 14.3999, 18.1555



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.3629, 27.3006, 45.2119



52.9065, 43.8730, 80.1752



33.2266, 28.3720, 40.3011



8.6113, 8.5237, 10.6977



12.1506, 5.5997, 30.5774



0.4359, 0.2038, 0.9646

Inverse Universe

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



31.2826, 27.5944, 30.0639



52.8426, 44.5483, 48.1759



29.8883, 38.1923, 30.9840



8.5918, 8.5434, 9.3489



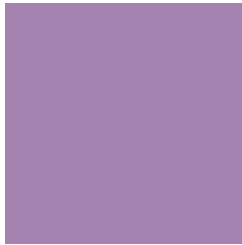
13.5773, 6.9485, 2.9340



0.4528, 0.2289, 0.2272

Previews

White Background



This preview shows how the XYZ color 31.3620, 27.2994, 45.2113 looks on a white background.

Color Contrast Check

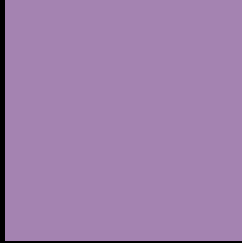
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3620, 27.2994, 45.2113 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 31.3620, 27.2994, 45.2113

Background



This preview shows how black text looks on a background with the XYZ color 31.3620, 27.2994, 45.2113.



This preview shows how white text looks on a background with the XYZ color 31.3620, 27.2994,

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

31.3620, 27.2994, 45.2113

Protanopia

27.6923, 27.4160, 49.1797

Deuteranopia

27.9312, 27.4268, 44.3792



Tritanopia

28.7093, 27.4715, 31.3931

Trichromacy



Original Color

31.3620, 27.2994, 45.2113

Protanomaly

28.7877, 27.1568, 47.4406

Deuteranomaly

29.1766, 27.4155, 44.8282

Tritanomaly

29.5335, 27.3736, 36.0748

Monochromacy



Original Color

31.3620, 27.2994, 45.2113

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.7475, 28.2564, 35.8372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3620, 27.2994, 45.2113 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(164, 131, 177)` looks like.

```
.text, #text, p{  
    color:rgb(164, 131, 177)  
}
```

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(164, 131, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 131, 177) }
```

Border

The CSS property to change the border of an element to XYZ 31.3620, 27.2994, 45.2113 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(164, 131, 177) }
```


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

```
.border{ border-color:rgb(164, 131, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 131, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 131, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 131, 177);  
box-shadow:4px 4px 4px 4px rgb(164, 131,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3620, 27.2994, 45.2113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 131, 177) }
```

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

```
.background{ background-color: rgb(164,  
131, 177) }
```

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