

Converting Colors

XYZ(29.1955, 23.7032, 45.4516)

Have a look what the booklet for
XYZ(29.1955, 23.7032, 45.4516)
contains.

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Color

**XYZ(29.3131, 23.7886,
45.6945)**

Conversions

Conversions Part 1

Format	Color
Hex	A176B3
RGB	161, 118, 179
RGB Percent	63%, 46%, 70%
CMY	0.3686, 0.5372, 0.2980
CMYK	0.10, 0.34, 0.00, 0.30
HSL	282°, 29%, 58%
HSV	282°, 34%, 70%
XYZ	29.3131, 23.7886, 45.6945
YIQ	137.8110, 6.0470, 28.0870

Conversions

Conversions Part 2

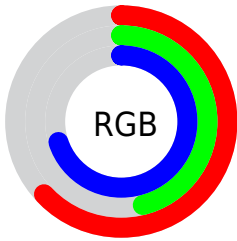
Format	Color
R_{YB}	161, 118, 179
Decimal	10581683
CIE _{Lab}	55.88, 28.01, -25.81
CIE _{LCh}	56, 38.088, 317.332
Yxy	23.7886, 0.2967, 0.2408
Android (android.graphics.Color)	4288771763 (0xFFA176B3)
YUV	137.8110, 20.3062, 20.3368
Hunter-Lab	48.7736, 21.9255, -21.4056

Details

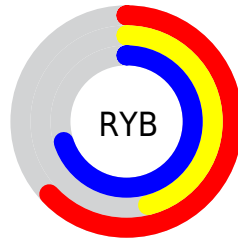
The XYZ color **29.3131, 23.7886, 45.6945** is a light color, and the websafe version is hex **996699**. A complement of this color would be **29.5441, 38.7830, 23.0693**, and the grayscale version is **24.0097, 25.2600, 27.5082**.

A 20% lighter version of the original color is **58.1736, 49.8757, 85.1582**, and **12.0784, 8.9507, 20.8297** is the 20% darker color. If you saturate the color by 10%, you get **26.3600, 19.4289, 45.0090**, and if you desaturate by 10%, it is **32.7127, 28.9735, 46.5165**.

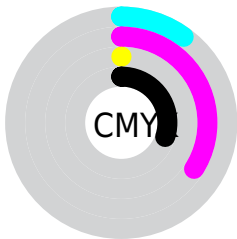
Distribution



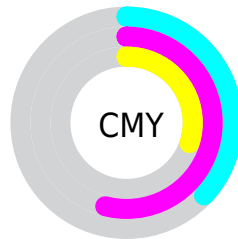
- Red (63%)
- Green (46%)
- Blue (70%)



- Red (63%)
- Yellow (46%)
- Blue (70%)



- Cyan (10%)
- Magenta (34%)
- Yellow (0%)
- Black (30%)



- Cyan (37%)
- Magenta (54%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3131, 23.7886, 45.6945 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 29.3131, 23.7886, 45.6945 by changing the saturation by 10% instead.

■ 29.3131, 23.7886,
45.6945

■ 29.3131, 23.7886,
45.6945

290.6570,
271.7500, 385.8209

■ 19.4633, 15.1769,
31.6579

■ 57.9683, 49.6850,
85.0911

■ 12.1115, 8.9436,
20.8377

■ 77.5044, 67.7385,
111.2881

■ 6.8924, 4.7044,
12.8153

■ 100.9999, 89.7080,
142.3757

■ 3.4406, 2.0749,
7.1723

128.8203,
115.9779, 178.7724

■ 1.3908, 0.6505,
3.4900

161.3308,
146.9327, 220.8967

■ 0.2497, 0.0000,
1.3499

198.8969,

■ 0.0000, 0.0000,

182.9567, 269.1672

0.1022

241.8838,
224.4343, 324.0024

■ 0.0000, 0.0000,
0.0000

■ 29.3131, 23.7886,
45.6945

■ 29.3131, 23.7886,
45.6945

■ 26.3600, 19.4289,
45.0090

■ 32.7127, 28.9735,
46.5165

■ 23.8278, 15.8457,
44.4508

■ 36.5780, 35.0227,
47.4804

■ 21.6919, 12.9897,
44.0122

■ 40.9296, 41.9762,
48.5932

■ 19.9236, 10.8049,
43.6836

■ 45.7864, 49.8710,
49.8610

■ 18.4903, 9.2264,
43.4545

■ 51.1661, 58.7415,
51.2897

■ 17.3524, 8.1765,
43.3118

■ 57.0854, 68.6208,
52.8846

■ 16.7678, 7.7042,
43.2515

■ 63.5604, 79.5402,
54.6510

■ 68.5954, 87.5073,
55.9234

■ 70.0609, 88.2628,
55.9920

Harmonies

Analogous

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



25.1867, 23.7886, 56.0436



29.3131, 23.7886, 45.6945



31.7615, 23.7886, 31.5004

Triad

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



29.3131, 23.7886, 45.6945



24.4890, 23.7886, 8.8892



15.5474, 23.7886, 33.6878

Complementary

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



29.3131, 23.7886, 45.6945



29.5441, 38.7830, 23.0693

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.



15.4110, 23.7886, 21.0091



29.3131, 23.7886, 45.6945



20.2159, 23.7886, 9.1380

Square

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



29.3131, 23.7886, 45.6945



28.7463, 23.7886, 12.0105



17.0162, 23.7886, 12.8527



17.4163, 23.7886, 47.7302

Rectangle

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



29.3131, 23.7886, 45.6945



31.9309, 23.7886, 22.9720



17.0162, 23.7886, 12.8527



15.3068, 23.7886, 29.0706

Sweetspot

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



29.3139, 23.7896, 45.6950



68.4496, 67.3941, 85.7819



24.4552, 24.8001, 46.1462



14.9300, 14.5570, 18.9451



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.



29.3139, 23.7896, 45.6950



48.4008, 36.5287, 80.8809



32.0261, 25.3241, 39.6630



8.6010, 8.5183, 10.6972



11.9163, 5.4789, 30.5665



0.4299, 0.2007, 0.9643

Inverse Universe

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



29.5135, 24.3191, 26.4319



49.0177, 37.7458, 40.2914



27.6348, 37.7094, 27.0127



8.5961, 8.5452, 9.3715



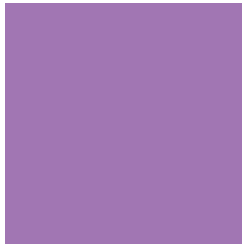
13.6134, 6.9629, 3.1239



0.4546, 0.2296, 0.2364

Previews

White Background



This preview shows how the XYZ color 29.3131, 23.7886, 45.6945 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 29.3131, 23.7886, 45.6945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

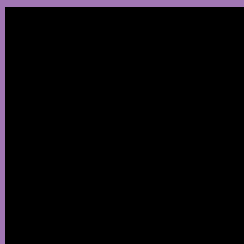
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.3131, 23.7886, 45.6945

Background



This preview shows how black text looks on a background with the XYZ color 29.3131, 23.7886, 45.6945.



This preview shows how white text looks on a background with the XYZ color 29.3131, 23.7886,

45.6945.

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

29.3131, 23.7886, 45.6945

Protanopia

24.7480, 23.9332, 52.0304

Deuteranopia

24.3999, 23.9222, 44.4057



Tritanopia

25.5509, 23.9249, 26.5638

Trichromacy



Original Color

29.3131, 23.7886, 45.6945

Protanomaly

25.9680, 23.6294, 49.6467

Deuteranomaly

25.8417, 23.6714, 44.8020

Tritanomaly

26.7798, 23.8504, 32.8979

Monochromacy



Original Color

29.3131, 23.7886, 45.6945

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.7201, 24.6435, 33.5381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3131, 23.7886, 45.6945 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, 118, 179)` looks like.

```
.text, #text, p{  
    color:rgb(161, 118, 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, 118, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 118, 179) }
```

Border

The CSS property to change the border of an element to XYZ 29.3131, 23.7886, 45.6945 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, 118, 179) }
```


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

```
.border{ border-color:rgb(161, 118, 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, 118, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 118, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 118, 179);  
box-shadow:4px 4px 4px 4px rgb(161, 118,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3131, 23.7886, 45.6945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 118, 179) }
```

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

```
.background{ background-color: rgb(161,  
118, 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](#).

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