

Converting Colors

XYZ(31.1593, 27.0432, 45.4645)

Have a look what the booklet for
XYZ(31.1593, 27.0432, 45.4645)
contains.

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Color

**XYZ(31.1228, 26.9661,
45.6841)**

Conversions

Conversions Part 1

Format	Color
Hex	A382B2
RGB	163, 130, 178
RGB Percent	64%, 51%, 70%
CMY	0.3608, 0.4902, 0.3020
CMYK	0.08, 0.27, 0.00, 0.30
HSL	281°, 24%, 60%
HSV	281°, 27%, 70%
XYZ	31.1228, 26.9661, 45.6841
YIQ	145.3390, 4.2600, 21.9240

Conversions

Conversions Part 2

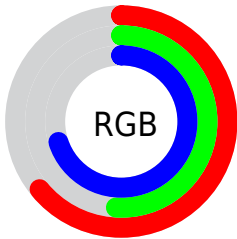
Format	Color
R_{YB}	163, 130, 178
Decimal	10715826
CIE _{Lab}	58.94, 21.60, -20.51
CIE _{LCh}	59, 29.788, 316.474
Yxy	26.9661, 0.2999, 0.2599
Android (android.graphics.Color)	4288905906 (0xFFA382B2)
YUV	145.3390, 16.1019, 15.4887
Hunter-Lab	51.9289, 16.1057, -15.8098

Details

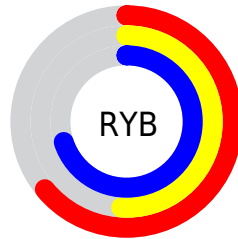
The XYZ color **31.1228, 26.9661, 45.6841** is a light color, and the websafe version is hex **996699**. A complement of this color would be **31.6275, 39.4728, 27.0723**, and the grayscale version is **26.9875, 28.3930, 30.9199**.

A 20% lighter version of the original color is **60.6982, 54.7129, 85.2034**, and **13.1259, 10.5975, 20.7557** is the 20% darker color. If you saturate the color by 10%, you get **27.8431, 22.0600, 44.9104**, and if you desaturate by 10%, it is **34.8639, 32.7195, 46.5978**.

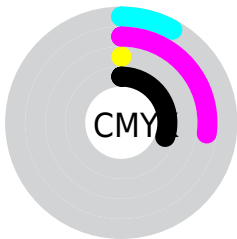
Distribution



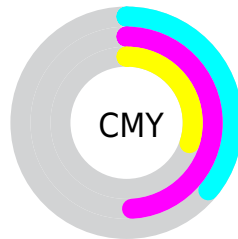
- Red (64%)
- Green (51%)
- Blue (70%)



- Red (64%)
- Yellow (51%)
- Blue (70%)



- Cyan (8%)
- Magenta (27%)
- Yellow (0%)
- Black (30%)



- Cyan (36%)
- Magenta (49%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1228, 26.9661, 45.6841 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 31.1228, 26.9661, 45.6841 by changing the saturation by 10% instead.

■ 31.1228, 26.9661,
45.6841

■ 31.1228, 26.9661,
45.6841

298.9204,
287.4929, 385.7778

■ 20.8447, 17.5478,
31.6497

■ 60.8079, 54.8295,
85.0753

■ 13.1223, 10.6258,
20.8315

■ 80.9455, 74.0433,
111.2693

■ 7.5904, 5.8158,
12.8109

■ 105.1004, 97.2910,
142.3535

■ 3.8836, 2.7334,
7.1692

133.6379,
124.9572, 178.7466

■ 1.6365, 0.9942,
3.4881

166.9232,
157.4260, 220.8670

■ 0.4160, 0.0000,
1.3490

205.3219,

■ 0.0000, 0.0000,

195.0820, 269.1333

0.1014

249.1992,
238.3095, 323.9640

■ 0.0000, 0.0000,
0.0000

■ 31.1228, 26.9661,
45.6841

■ 31.1228, 26.9661,
45.6841

■ 27.8431, 22.0600,
44.9104

■ 34.8639, 32.7195,
46.5978

■ 25.0005, 17.9552,
44.2679

■ 39.0840, 39.3561,
47.6564

■ 22.5722, 14.6066,
43.7496

■ 43.8029, 46.9141,
48.8666

■ 20.5322, 11.9631,
43.3468

■ 49.0384, 55.4283,
50.2340

■ 18.8512, 9.9671,
43.0502

■ 54.8075, 64.9316,
51.7643

■ 17.4952, 8.5517,
42.8484

■ 61.1263, 75.4555,
53.4626

■ 16.4162, 7.6216,
42.7258

■ 68.0103, 87.0299,
55.3338

■ 16.1154, 7.3795,
42.6949

■ 69.6684, 88.0721,
55.4476

■ 71.2550, 88.8900,
55.5218

Harmonies

Analogous

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



27.6942, 26.9661, 53.4564



31.1228, 26.9661, 45.6841



33.1607, 26.9661, 34.3717

Triad

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



31.1228, 26.9661, 45.6841



27.3249, 26.9661, 13.7129



19.4146, 26.9661, 35.5045

Complementary

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



31.1228, 26.9661, 45.6841



31.6275, 39.4728, 27.0723

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.



19.3363, 26.9661, 24.8635



31.1228, 26.9661, 45.6841



23.6719, 26.9661, 13.8763

Square

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



31.1228, 26.9661, 45.6841



30.8302, 26.9661, 16.9621



20.8256, 26.9661, 17.4795



21.0509, 26.9661, 46.6829

Rectangle

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



31.1228, 26.9661, 45.6841



33.3409, 26.9661, 27.1310



20.8256, 26.9661, 17.4795



19.2111, 26.9661, 31.7110

Sweetspot

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



31.1237, 26.9672, 45.6847



69.9314, 69.8714, 86.1819



27.3988, 28.2732, 46.1331



15.2304, 15.0640, 19.0272



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.



31.1237, 26.9672, 45.6847



53.0151, 43.7453, 82.0307



33.5237, 28.3033, 41.3314



8.5865, 8.5109, 10.6965



11.5976, 5.3146, 30.5515



0.4217, 0.1965, 0.9639

Inverse Universe

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



31.4544, 27.4756, 30.4345



53.8270, 44.8838, 49.5418



29.7728, 38.4455, 30.2022



8.6021, 8.5476, 9.4032



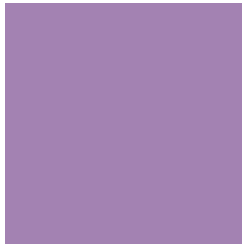
13.6665, 6.9842, 3.4037



0.4570, 0.2305, 0.2492

Previews

White Background



This preview shows how the XYZ color 31.1228, 26.9661, 45.6841 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 31.1228, 26.9661, 45.6841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

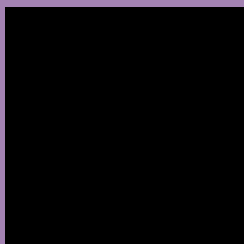
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.1228, 26.9661, 45.6841

Background



This preview shows how black text looks on a background with the XYZ color 31.1228, 26.9661, 45.6841.



This preview shows how white text looks on a background with the XYZ color 31.1228, 26.9661,

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

31.1228, 26.9661, 45.6841

Protanopia

27.3410, 27.0048, 49.6704

Deuteranopia

27.5503, 27.0031, 44.8344



Tritanopia

28.1712, 26.9840, 31.3274

Trichromacy



Original Color

31.1228, 26.9661, 45.6841

Protanomaly

28.4030, 26.7365, 47.9196

Deuteranomaly

28.7726, 26.9857, 45.2873

Tritanomaly

29.1939, 26.9924, 36.0191

Monochromacy



Original Color

31.1228, 26.9661, 45.6841

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.4128, 27.8659, 35.7794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1228, 26.9661, 45.6841 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(163, 130, 178)` looks like.

```
.text, #text, p{  
    color:rgb(163, 130, 178)  
}
```

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(163, 130, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 130, 178) }
```

Border

The CSS property to change the border of an element to XYZ 31.1228, 26.9661, 45.6841 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(163, 130, 178) }
```


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

```
.border{ border-color:rgb(163, 130, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 130, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 130, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 130, 178);  
box-shadow:4px 4px 4px 4px rgb(163, 130,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1228, 26.9661, 45.6841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 130, 178) }
```

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

```
.background{ background-color: rgb(163,  
130, 178) }
```

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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