

Converting Colors

XYZ(18.1555, 14.0743, 29.9597)

Have a look what the booklet for
XYZ(18.1555, 14.0743, 29.9597)
contains.

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Color

**XYZ(18.1236, 14.0287,
29.7696)**

Conversions

Conversions Part 1

Format	Color
Hex	825994
RGB	130, 89, 148
RGB Percent	51%, 35%, 58%
CMY	0.4902, 0.6510, 0.4196
CMYK	0.12, 0.40, 0.00, 0.42
HSL	282°, 25%, 46%
HSV	282°, 40%, 58%
XYZ	18.1236, 14.0287, 29.7696
YIQ	107.9850, 5.4970, 27.0410

Conversions

Conversions Part 2

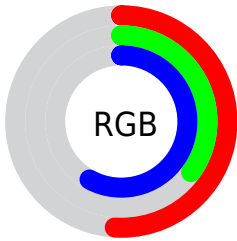
Format	Color
R _Y B	130, 89, 148
Decimal	8542612
CIE Lab	44.27, 27.99, -25.89
CIE LCh	44, 38.123, 317.231
Yxy	14.0287, 0.2927, 0.2266
Android (android.graphics.Color)	4286732692 (0xFF825994)
YUV	107.9850, 19.7274, 19.3072
Hunter-Lab	37.4549, 20.8261, -20.9060

Details

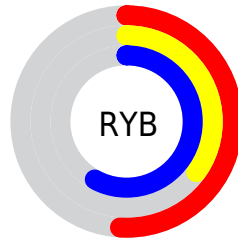
The XYZ color **18.1236, 14.0287, 29.7696** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.4569, 25.0272, 13.3098**, and the grayscale version is **14.1955, 14.9347, 16.2639**.

A 20% lighter version of the original color is **39.8059, 33.2108, 60.1894**, and **6.2101, 4.1813, 11.7890** is the 20% darker color. If you saturate the color by 10%, you get **16.3363, 11.4595, 29.3681**, and if you desaturate by 10%, it is **20.1899, 17.1100, 30.2557**.

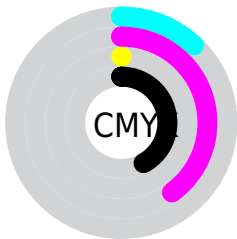
Distribution



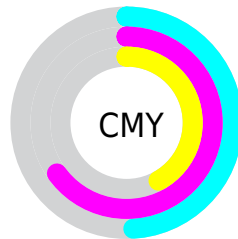
- Red (51%)
- Green (35%)
- Blue (58%)



- Red (51%)
- Yellow (35%)
- Blue (58%)



- Cyan (12%)
- Magenta (40%)
- Yellow (0%)
- Black (42%)



- Cyan (49%)
- Magenta (65%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1236, 14.0287, 29.7696 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 18.1236, 14.0287, 29.7696 by changing the saturation by 10% instead.

18.1236, 14.0287,
29.7696

18.1236, 14.0287,
29.7696

234.5989,
217.4093, 315.0028

11.1390, 8.1406,
19.4132

39.7763, 33.1399,
60.3543

6.2284, 4.1851,
11.7894

55.1750, 47.1319,
81.4197

3.0264, 1.7776,
6.4796

74.1092, 64.5940,
106.8919

1.1677, 0.4732,
3.0654

96.9442, 85.9105,
137.1893

0.0807, 0.0000,
1.1281

124.0453,
111.4659, 172.7306

0.0000, 0.0000,
0.0000

155.7778,

141.6446, 213.9343

192.5073,
176.8309, 261.2188

■ 18.1236, 14.0287,
29.7696

■ 18.1236, 14.0287,
29.7696

■ 16.3363, 11.4595,
29.3681

■ 20.1899, 17.1100,
30.2557

■ 14.8112, 9.3705,
29.0453

■ 22.5478, 20.7292,
30.8300

■ 13.5318, 7.7290,
28.7959

■ 25.2108, 24.9123,
31.4970

■ 12.4791, 6.4976,
28.6137

■ 28.1912, 29.6834,
32.2609

■ 11.6308, 5.6321,
28.4913

■ 31.5004, 35.0649,
33.1252

■ 10.9307, 5.0208,
28.4102

■ 35.1494, 41.0781,
34.0935

■ 10.9215, 5.0127,
28.4092

■ 39.1485, 47.7433,
35.1693

■ 43.5078, 55.0798,
36.3556

■ 48.2366, 63.1062,
37.6556

Harmonies

Analogous

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



15.1493, 14.0287, 37.6135



18.1236, 14.0287, 29.7696



19.9167, 14.0287, 19.2998

Triad

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



18.1236, 14.0287, 29.7696



14.6737, 14.0287, 4.0462



8.4766, 14.0287, 20.8152

Complementary

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



18.1236, 14.0287, 29.7696



18.4569, 25.0272, 13.3098

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.



8.3895, 14.0287, 11.8525



18.1236, 14.0287, 29.7696



11.6696, 14.0287, 4.1875

Square

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



18.1236, 14.0287, 29.7696



17.7300, 14.0287, 5.9594



9.4724, 14.0287, 6.4672



9.7320, 14.0287, 31.2369

Rectangle

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



18.1236, 14.0287, 29.7696



20.0457, 14.0287, 13.2552



9.4724, 14.0287, 6.4672



8.3174, 14.0287, 17.4899

Sweetspot

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



18.1241, 14.0293, 29.7699



43.3163, 42.1098, 55.2796



14.7949, 14.9210, 30.1175



9.7620, 9.4137, 12.5873



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.1241, 14.0293, 29.7699



29.0902, 20.5940, 51.8764



20.3141, 15.2526, 25.6097



5.8649, 5.8213, 7.2843



9.3571, 4.2963, 24.2671



0.1446, 0.0681, 0.2984

Inverse Universe

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



18.4394, 14.5028, 15.7379



29.9140, 21.6622, 22.8397



17.0016, 24.2206, 15.7897



5.8693, 5.8428, 6.4180



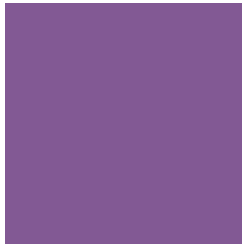
10.8498, 5.5450, 2.6899



0.1447, 0.0726, 0.0958

Previews

White Background



This preview shows how the XYZ color 18.1236, 14.0287, 29.7696 looks on a white 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

Black Background



This preview shows how the XYZ color 18.1236, 14.0287, 29.7696 looks on a black 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

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

XYZ 18.1236, 14.0287, 29.7696

Background



This preview shows how black text looks on a background with the XYZ color 18.1236, 14.0287, 29.7696.



This preview shows how white text looks on a background with the XYZ color 18.1236, 14.0287,

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

18.1236, 14.0287, 29.7696

Protanopia

14.9417, 14.1699, 35.2052

Deuteranopia

14.4748, 14.2203, 28.7699



Tritanopia

15.2814, 14.0611, 15.5443

Trichromacy



Original Color

18.1236, 14.0287, 29.7696

Protanomaly

15.7353, 13.9024, 33.3066

Deuteranomaly

15.5940, 14.0632, 29.0867

Tritanomaly

16.1476, 14.0005, 19.9405

Monochromacy



Original Color

18.1236, 14.0287, 29.7696

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.4313, 14.4504, 20.7148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1236, 14.0287, 29.7696 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(130, 89, 148)` looks like.

```
.text, #text, p{  
    color:rgb(130, 89, 148)  
}
```

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(130, 89, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 89, 148) }
```

Border

The CSS property to change the border of an element to XYZ 18.1236, 14.0287, 29.7696 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(130, 89, 148) }
```


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

```
.border{ border-color:rgb(130, 89, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 89, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 89, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 89, 148);  
box-shadow:4px 4px 4px 4px rgb(130, 89,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1236, 14.0287, 29.7696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 89, 148) }
```

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

```
.background{ background-color: rgb(130, 89,  
148) }
```

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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