

Converting Colors

XYZ(26.8220, 20.2252, 31.4099)

Have a look what the booklet for
XYZ(26.8220, 20.2252, 31.4099)
contains.

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Color

**XYZ(26.8340, 20.2508,
31.3487)**

Conversions

Conversions Part 1

Format	Color
Hex	AA6696
RGB	170, 102, 150
RGB Percent	67%, 40%, 59%
CMY	0.3333, 0.6000, 0.4118
CMYK	0.00, 0.40, 0.12, 0.33
HSL	318°, 29%, 53%
HSV	318°, 40%, 67%
XYZ	26.8340, 20.2508, 31.3487
YIQ	127.8040, 25.1200, 29.3440

Conversions

Conversions Part 2

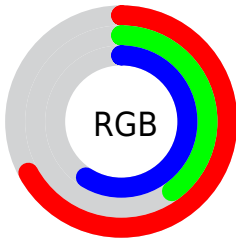
Format	Color
RYB	170, 102, 150
Decimal	11167382
CIELab	52.12, 34.39, -14.62
CIELCh	52, 37.367, 336.974
Yxy	20.2508, 0.3421, 0.2582
Android (android.graphics.Color)	4289357462 (0xFFAA6696)
YUV	127.8040, 10.9426, 37.0059
Hunter-Lab	45.0009, 27.6879, -9.8022

Details

The XYZ color **26.8340, 20.2508, 31.3487** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.3680, 32.9801, 23.5479**, and the grayscale version is **20.4077, 21.4705, 23.3814**.

A 20% lighter version of the original color is **53.8187, 43.6396, 62.7135**, and **10.7277, 7.1601, 12.6210** is the 20% darker color. If you saturate the color by 10%, you get **24.9375, 17.0881, 28.7722**, and if you desaturate by 10%, it is **29.0916, 24.1074, 34.1307**.

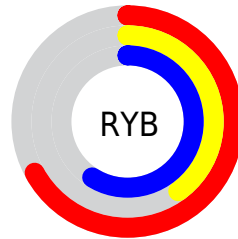
Distribution



Red (67%)

Green (40%)

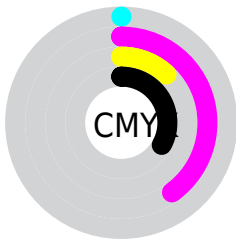
Blue (59%)



Red (67%)

Yellow (40%)

Blue (59%)

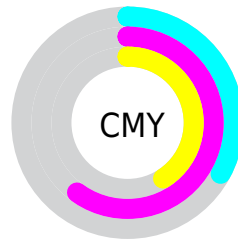


Cyan (0%)

Magenta (40%)

Yellow (12%)

Black (33%)



Cyan (33%)

Magenta (60%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8340, 20.2508, 31.3487 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 26.8340, 20.2508, 31.3487 by changing the saturation by 10% instead.

■ 26.8340, 20.2508,
31.3487

■ 26.8340, 20.2508,
31.3487

279.0347,
253.2696, 322.5424

■ 17.5845, 12.5775,
20.6038

■ 54.0391, 43.8373,
62.8746

■ 10.7500, 7.1383,
12.6463

■ 72.7255, 60.5192,
84.4928

■ 5.9650, 3.5487,
7.0576

■ 95.2883, 80.9728,
110.5725

■ 2.8643, 1.4245,
3.4192

■ 122.0927,
105.5825, 141.5322

■ 1.0824, 0.2347,
1.3124

153.5042,
134.7326, 177.7905

■ 0.0103, 0.0000,
0.0719

189.8882,

■ 0.0000, 0.0000,

168.8076, 219.7659

0.0000

231.6099,
208.1918, 267.8771

■ 26.8340, 20.2508,
31.3487

■ 26.8340, 20.2508,
31.3487

■ 24.9375, 17.0881,
28.7722

■ 29.0916, 24.1074,
34.1307

■ 23.3788, 14.5743,
26.3919

■ 31.7278, 28.6938,
37.1245

■ 22.1349, 12.6634,
24.1992

■ 34.7614, 34.0467,
40.3377

■ 21.1791, 11.3021,
22.1842

■ 38.2092, 40.1996,
43.7767

■ 20.4799, 10.4278,
20.3351

■ 42.0871, 47.1840,
47.4478

■ 19.9679, 9.9023,
18.6279

■ 46.4102, 55.0295,
51.3571

■ 19.9678, 9.9022,
18.6275

■ 51.1927, 63.7645,
55.5102

■ 56.4483, 73.4159,
59.9126

■ 62.1885, 84.0064,
64.5690

Harmonies

Analogous

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



24.0146, 20.2508, 43.4993



26.8340, 20.2508, 31.3487



27.5023, 20.2508, 19.5917

Triad

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



26.8340, 20.2508, 31.3487



18.3692, 20.2508, 7.0622



13.9536, 20.2508, 37.2846

Complementary

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



26.8340, 20.2508, 31.3487



23.3680, 32.9801, 23.5479

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.



12.8361, 20.2508, 24.7051



26.8340, 20.2508, 31.3487



15.1576, 20.2508, 9.1475

Square

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



26.8340, 20.2508, 31.3487



22.2676, 20.2508, 7.7984



13.2458, 20.2508, 14.7996



16.5141, 20.2508, 47.6440

Rectangle

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



26.8340, 20.2508, 31.3487



26.5679, 20.2508, 13.8149



13.2458, 20.2508, 14.7996



13.4133, 20.2508, 33.0398

Sweetspot

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



26.8346, 20.2517, 31.3491



61.7846, 59.4944, 71.8586



19.9306, 16.4903, 40.1632



13.6199, 12.9875, 15.8594



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



26.8346, 20.2517, 31.3491



45.6025, 31.5910, 52.7126



24.5250, 19.3279, 19.1866



7.7465, 7.6284, 8.9821



14.7136, 7.2942, 13.8353



0.3787, 0.1858, 0.4457

Inverse Universe

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



26.8346, 20.2517, 31.3491



45.6025, 31.5910, 52.7126



25.7938, 33.9504, 36.3222



7.7465, 7.6284, 8.9821



14.7136, 7.2942, 13.8353



0.3787, 0.1858, 0.4457

Previews

White Background



This preview shows how the XYZ color 26.8340, 20.2508, 31.3487 looks on a white background.

Color Contrast Check

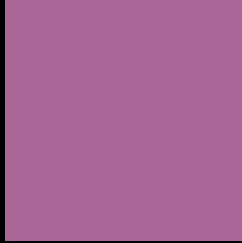
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8340, 20.2508, 31.3487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

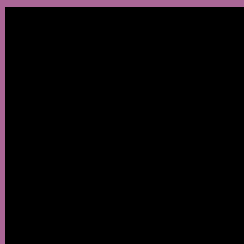
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 26.8340, 20.2508, 31.3487

Background



This preview shows how black text looks on a background with the XYZ color 26.8340, 20.2508, 31.3487.



This preview shows how white text looks on a background with the XYZ color 26.8340, 20.2508,

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

26.8340, 20.2508, 31.3487

Protanopia

20.6845, 20.3932, 38.4434

Deuteranopia

20.7520, 20.4300, 30.0438



Tritanopia

24.4054, 20.3286, 19.4671

Trichromacy



Original Color

26.8340, 20.2508, 31.3487

Protanomaly

22.3074, 19.8679, 35.9169

Deuteranomaly

22.5525, 20.1188, 30.2984

Tritanomaly

25.0528, 20.1085, 23.3298

Monochromacy



Original Color

26.8340, 20.2508, 31.3487

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.3685, 20.8109, 26.1305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.8340, 20.2508, 31.3487 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(170, 102, 150)` looks like.

```
.text, #text, p{  
    color:rgb(170, 102, 150)  
}
```

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(170, 102, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 102, 150) }
```

Border

The CSS property to change the border of an element to XYZ 26.8340, 20.2508, 31.3487 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(170, 102, 150) }
```


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

```
.border{ border-color:rgb(170, 102, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 102, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 102, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 102, 150);  
box-shadow:4px 4px 4px 4px rgb(170, 102,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 26.8340, 20.2508, 31.3487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 102, 150) }
```

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

```
.background{ background-color: rgb(170,  
102, 150) }
```

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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