

Converting Colors

XYZ(20.8726, 17.6057, 31.4778)

Have a look what the booklet for
XYZ(20.8726, 17.6057, 31.4778)
contains.

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Color

**XYZ(20.9540, 17.6559,
31.5817)**

Conversions

Conversions Part 1

Format	Color
Hex	896997
RGB	137, 105, 151
RGB Percent	54%, 41%, 59%
CMY	0.4627, 0.5882, 0.4078
CMYK	0.09, 0.30, 0.00, 0.41
HSL	282°, 18%, 50%
HSV	282°, 30%, 59%
XYZ	20.9540, 17.6559, 31.5817
YIQ	119.8120, 4.3060, 21.0900

Conversions

Conversions Part 2

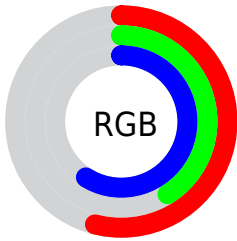
Format	Color
R_{YB}	137, 105, 151
Decimal	9005463
CIE _{Lab}	49.08, 21.55, -20.19
CIE _{LCh}	49, 29.530, 316.867
Yxy	17.6559, 0.2985, 0.2515
Android (android.graphics.Color)	4287195543 (0xFF896997)
YUV	119.8120, 15.3757, 15.0739
Hunter-Lab	42.0189, 15.4813, -15.1495

Details

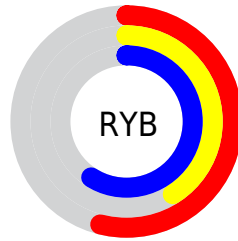
The XYZ color **20.9540, 17.6559, 31.5817** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.2248, 27.0756, 17.4729**, and the grayscale version is **17.7446, 18.6687, 20.3302**.

A 20% lighter version of the original color is **44.5623, 39.5981, 63.0521**, and **7.6011, 5.8248, 12.7803** is the 20% darker color. If you saturate the color by 10%, you get **18.8132, 14.4687, 31.0796**, and if you desaturate by 10%, it is **23.4011, 21.4074, 32.1771**.

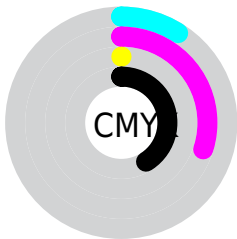
Distribution



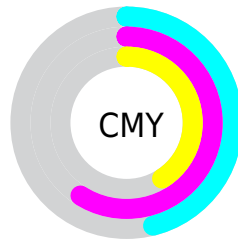
- Red (54%)
- Green (41%)
- Blue (59%)



- Red (54%)
- Yellow (41%)
- Blue (59%)



- Cyan (9%)
- Magenta (30%)
- Yellow (0%)
- Black (41%)



- Cyan (46%)
- Magenta (59%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9540, 17.6559, 31.5817 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 20.9540, 17.6559, 31.5817 by changing the saturation by 10% instead.

■ 20.9540, 17.6559,
31.5817

■ 20.9540, 17.6559,
31.5817

249.7703,
238.9243, 323.6431

■ 13.2027, 10.7032,
20.7800

■ 44.5028, 39.4501,
63.2450

■ 7.6462, 5.8676,
12.7736

■ 61.0310, 55.0604,
84.9437

■ 3.9193, 2.7648,
7.1440

■ 81.2155, 74.3254,
111.1119

■ 1.6566, 1.0102,
3.4725

■ 105.4217, 97.6295,
142.1680

■ 0.4289, 0.0000,
1.3407

134.0149,
125.3570, 178.5307

■ 0.0000, 0.0000,
0.0948

167.3605,

■ 0.0000, 0.0000,

157.8924, 220.6184

0.0000

205.8238,
195.6200, 268.8497

■ 20.9540, 17.6559,
31.5817

■ 20.9540, 17.6559,
31.5817

■ 18.8132, 14.4687,
31.0796

■ 23.4011, 21.4074,
32.1771

■ 16.9622, 11.8143,
30.6648

■ 26.1667, 25.7478,
32.8691

■ 15.3853, 9.6618,
30.3325


■ 29.2641, 30.7031,
33.6624


■ 14.0647, 7.9760,
30.0767


■ 32.7054, 36.2971,
34.5607


■ 12.9801, 6.7169,
29.8908


■ 36.5023, 42.5521,
35.5679


 12.1077, 5.8377,
29.7671

 40.6656, 49.4896,
36.6876

 11.4167, 5.2402,
29.6882

 45.2057, 57.1298,
37.9230

 50.1328, 65.4924,
39.2775

 55.4564, 74.5961,
40.7541

Harmonies

Analogous

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



18.3667, 17.6559, 37.7163



20.9540, 17.6559, 31.5817



22.4901, 17.6559, 22.8836

Triad

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



20.9540, 17.6559, 31.5817



18.0147, 17.6559, 7.9073



12.2031, 17.6559, 23.9733

Complementary

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



20.9540, 17.6559, 31.5817



21.2248, 27.0756, 17.4729

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.



12.1310, 17.6559, 15.9774



20.9540, 17.6559, 31.5817



15.2901, 17.6559, 8.0497

Square

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



20.9540, 17.6559, 31.5817



20.6722, 17.6559, 10.1385



13.2031, 17.6559, 10.6018



13.4123, 17.6559, 32.5652

Rectangle

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



20.9540, 17.6559, 31.5817



22.6127, 17.6559, 17.4660



13.2031, 17.6559, 10.6018



12.0502, 17.6559, 21.0968

Sweetspot

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



20.9546, 17.6566, 31.5821



47.5381, 47.1856, 59.0359



18.0768, 18.5674, 31.9095



10.6420, 10.4664, 13.3768



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.9546, 17.6566, 31.5821



34.6827, 27.3679, 55.8882



22.7398, 18.6533, 28.2172



6.2781, 6.2293, 7.8004



9.7422, 4.4733, 25.2577



0.1821, 0.0857, 0.3793

Inverse Universe

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



21.1445, 18.0152, 19.8165



35.2000, 28.1926, 30.7039



19.8980, 26.3390, 19.7870



6.2823, 6.2521, 6.8669



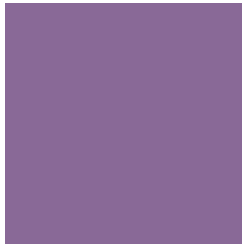
11.2877, 5.7693, 2.7741



0.1836, 0.0922, 0.1196

Previews

White Background



This preview shows how the XYZ color 20.9540, 17.6559, 31.5817 looks on a white background.

Color Contrast Check

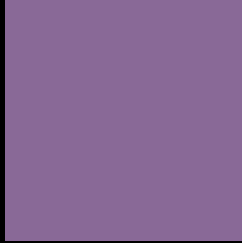
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9540, 17.6559, 31.5817 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 20.9540, 17.6559, 31.5817

Background



This preview shows how black text looks on a background with the XYZ color 20.9540, 17.6559, 31.5817.



This preview shows how white text looks on a background with the XYZ color 20.9540, 17.6559,

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

20.9540, 17.6559, 31.5817

Protanopia

18.0977, 17.7077, 35.2650

Deuteranopia

18.1111, 17.8109, 30.9171



Tritanopia

18.5903, 17.6305, 20.1925

Trichromacy



Original Color

20.9540, 17.6559, 31.5817

Protanomaly

18.8876, 17.4822, 33.8314

Deuteranomaly

18.9352, 17.5640, 31.2464

Tritanomaly

19.3969, 17.6443, 23.8561

Monochromacy



Original Color

20.9540, 17.6559, 31.5817

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.8317, 18.3358, 24.0194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9540, 17.6559, 31.5817 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(137, 105, 151)` looks like.

```
.text, #text, p{  
    color:rgb(137, 105, 151)  
}
```

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(137, 105, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 105, 151) }
```

Border

The CSS property to change the border of an element to XYZ 20.9540, 17.6559, 31.5817 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(137, 105, 151) }
```


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

```
.border{ border-color:rgb(137, 105, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 105, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 105, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 105, 151);  
box-shadow:4px 4px 4px 4px rgb(137, 105,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9540, 17.6559, 31.5817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 105, 151) }
```

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

```
.background{ background-color: rgb(137,  
105, 151) }
```

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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