

Converting Colors

XYZ(20.8967, 19.5497, 29.3489)

Have a look what the booklet for
XYZ(20.8967, 19.5497, 29.3489)
contains.

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Color

**XYZ(20.9878, 19.6724,
29.4790)**

Conversions

Conversions Part 1

Format	Color
Hex	847591
RGB	132, 117, 145
RGB Percent	52%, 46%, 57%
CMY	0.4823, 0.5412, 0.4314
CMYK	0.09, 0.19, 0.00, 0.43
HSL	272°, 11%, 51%
HSV	272°, 19%, 57%
XYZ	20.9878, 19.6724, 29.4790
YIQ	124.6770, -0.0480, 11.8880

Conversions

Conversions Part 2

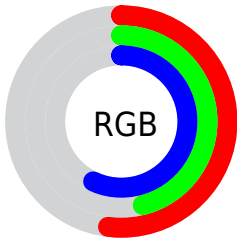
Format	Color
R_{YB}	132, 117, 145
Decimal	8680849
CIE _{Lab}	51.46, 11.42, -13.07
CIE _{LCh}	51, 17.351, 311.146
Yxy	19.6724, 0.2992, 0.2805
Android (android.graphics.Color)	4286870929 (0xFF847591)
YUV	124.6770, 10.0192, 6.4223
Hunter-Lab	44.3536, 6.8462, -8.3588

Details

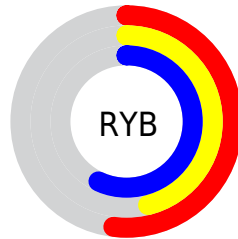
The XYZ color **20.9878, 19.6724, 29.4790** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.5429, 26.2814, 20.7152**, and the grayscale version is **19.3524, 20.3602, 22.1723**.

A 20% lighter version of the original color is **44.5044, 42.8137, 59.9511**, and **7.6734, 6.8763, 11.7493** is the 20% darker color. If you saturate the color by 10%, you get **18.4085, 16.0265, 28.9115**, and if you desaturate by 10%, it is **23.8979, 23.8785, 30.1378**.

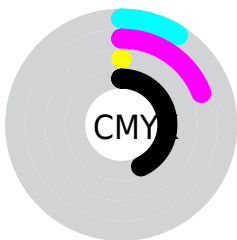
Distribution



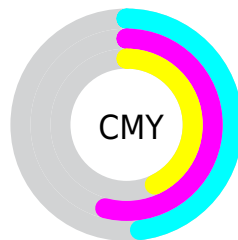
- Red (52%)
- Green (46%)
- Blue (57%)



- Red (52%)
- Yellow (46%)
- Blue (57%)



- Cyan (9%)
- Magenta (19%)
- Yellow (0%)
- Black (43%)



- Cyan (48%)
- Magenta (54%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9878, 19.6724, 29.4790 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 20.9878, 19.6724, 29.4790 by changing the saturation by 10% instead.

■ 20.9878, 19.6724,
29.4790

■ 20.9878, 19.6724,
29.4790

249.9466,
250.1361, 313.5997

■ 13.2275, 12.1571,
19.1948

■ 44.5587, 42.8673,
59.8885

■ 7.6635, 6.8508,
11.6329

■ 61.0999, 59.3156,
80.8509

■ 3.9304, 3.3690,
6.3747

■ 81.2989, 79.5105,
106.2097

■ 1.6628, 1.3273,
3.0018

105.5209,
103.8363, 136.3835

■ 0.4328, 0.1622,
1.0956

134.1313,
132.6773, 171.7909

■ 0.0000, 0.0000,
0.0000

167.4955,

166.4180, 212.8504

205.9788,
205.4428, 259.9805

■ 20.9878, 19.6724,
29.4790

■ 20.9878, 19.6724,
29.4790

■ 18.4085, 16.0265,
28.9115

■ 23.8979, 23.8785,
30.1378

■ 16.1451, 12.9135,
28.4299

■ 27.1496, 28.6652,
30.8903

■ 14.1837, 10.3076,
28.0303

■ 30.7552, 34.0553,
31.7407

■ 12.5090, 8.1801,
27.7080

■ 34.7259, 40.0694,
32.6922

■ 11.1040, 6.4989,
27.4575

■ 39.0724, 46.7271,
33.7482

■ 9.9496, 5.2281,
27.2731

■ 43.8048, 54.0472,
34.9117

■ 9.0237, 4.3258,
27.1477

■ 48.9331, 62.0477,
36.1857

■ 8.2752, 3.6918,
27.0648

■ 54.4667, 70.7458,
37.5729

■ 8.2263, 3.6504,
27.0594

■ 60.4146, 80.1583,
39.0762

Harmonies

Analogous

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



19.3525, 19.6724, 32.2678



20.9878, 19.6724, 29.4790



22.0475, 19.6724, 24.6691

Triad

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



20.9878, 19.6724, 29.4790



19.8006, 19.6724, 13.5692



15.6028, 19.6724, 23.3268

Complementary

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



20.9878, 19.6724, 29.4790



22.5429, 26.2814, 20.7152

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.



15.7062, 19.6724, 18.4693



20.9878, 19.6724, 29.4790



18.0585, 19.6724, 13.3247

Square

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



20.9878, 19.6724, 29.4790



21.3333, 19.6724, 15.7118



16.5812, 19.6724, 14.9823



16.2893, 19.6724, 28.3661

Rectangle

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



20.9878, 19.6724, 29.4790



22.2478, 19.6724, 21.2287



16.5812, 19.6724, 14.9823



15.5475, 19.6724, 21.6122

Sweetspot

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



20.9884, 19.6732, 29.4794



44.5837, 45.3766, 54.3823



20.4391, 21.8100, 29.9208



9.8474, 9.9908, 12.0816



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.9884, 19.6732, 29.4794



35.5894, 32.3886, 52.3494



23.0780, 20.7587, 29.2031



5.3881, 5.3883, 6.7848



7.0861, 3.1466, 23.2110



0.0932, 0.0432, 0.2231

Inverse Universe

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



22.0682, 20.3548, 23.8857



37.9157, 33.8558, 40.3491



20.7282, 25.3396, 20.9182



5.5065, 5.4631, 6.1654



10.9061, 5.5195, 5.1568



0.1152, 0.0571, 0.1070

Previews

White Background



This preview shows how the XYZ color 20.9878, 19.6724, 29.4790 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 20.9878, 19.6724, 29.4790 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 20.9878, 19.6724, 29.4790

Background



This preview shows how black text looks on a background with the XYZ color 20.9878, 19.6724, 29.4790.



This preview shows how white text looks on a background with the XYZ color 20.9878, 19.6724,

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

20.9878, 19.6724, 29.4790

Protanopia

19.6409, 19.8391, 30.8111

Deuteranopia

20.0627, 19.7316, 29.1367



Tritanopia

19.7322, 19.6850, 23.5285

Trichromacy



Original Color

20.9878, 19.6724, 29.4790

Protanomaly

20.0090, 19.6771, 30.3472

Deuteranomaly

20.3833, 19.7193, 29.1174

Tritanomaly

20.1759, 19.6887, 25.6586

Monochromacy



Original Color

20.9878, 19.6724, 29.4790

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.0265, 20.1742, 24.6683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9878, 19.6724, 29.4790 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(132, 117, 145)` looks like.

```
.text, #text, p{  
    color:rgb(132, 117, 145)  
}
```

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(132, 117, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 117, 145) }
```

Border

The CSS property to change the border of an element to XYZ 20.9878, 19.6724, 29.4790 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(132, 117, 145) }
```


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

```
.border{ border-color:rgb(132, 117, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 117, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 117, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 117, 145);  
box-shadow:4px 4px 4px 4px rgb(132, 117,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9878, 19.6724, 29.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 117, 145) }
```

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

```
.background{ background-color: rgb(132,  
117, 145) }
```

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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