

Converting Colors

XYZ(19.6256, 17.4753, 30.7296)

Have a look what the booklet for
XYZ(19.6256, 17.4753, 30.7296)
contains.

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Color

**XYZ(19.6895, 17.4842,
30.7708)**

Conversions

Conversions Part 1

Format	Color
Hex	806C95
RGB	128, 108, 149
RGB Percent	50%, 42%, 58%
CMY	0.4980, 0.5765, 0.4157
CMYK	0.14, 0.28, 0.00, 0.42
HSL	269°, 16%, 50%
HSV	269°, 28%, 58%
XYZ	19.6895, 17.4842, 30.7708
YIQ	118.6540, -1.2410, 16.9910

Conversions

Conversions Part 2

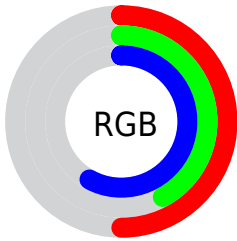
Format	Color
R_{YB}	128, 108, 149
Decimal	8416405
CIE _{Lab}	48.86, 16.26, -19.41
CIE _{LCh}	49, 25.322, 309.951
Yxy	17.4842, 0.2898, 0.2573
Android (android.graphics.Color)	4286606485 (0xFF806C95)
YUV	118.6540, 14.9606, 8.1964
Hunter-Lab	41.8141, 10.8777, -14.3613

Details

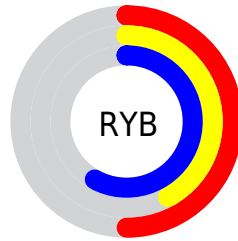
The XYZ color **19.6895, 17.4842, 30.7708** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.5079, 27.2451, 18.2606**, and the grayscale version is **17.3804, 18.2855, 19.9129**.

A 20% lighter version of the original color is **42.4064, 39.2772, 61.8461**, and **6.9623, 5.7333, 12.2949** is the 20% darker color. If you saturate the color by 10%, you get **17.1454, 14.0362, 30.2396**, and if you desaturate by 10%, it is **22.5897, 21.5153, 31.3963**.

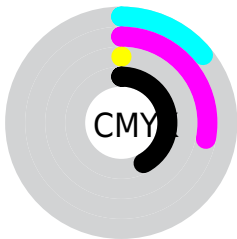
Distribution



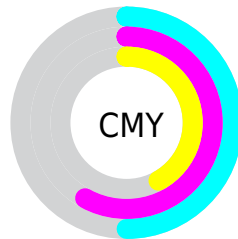
- Red (50%)
- Green (42%)
- Blue (58%)



- Red (50%)
- Yellow (42%)
- Blue (58%)



- Cyan (14%)
- Magenta (28%)
- Yellow (0%)
- Black (42%)



- Cyan (50%)
- Magenta (58%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6895, 17.4842, 30.7708 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 19.6895, 17.4842, 30.7708 by changing the saturation by 10% instead.

■ 19.6895, 17.4842,
30.7708

■ 19.6895, 17.4842,
30.7708

243.0949,
237.9474, 319.7994

■ 12.2765, 10.5803,
20.1674

■ 42.4039, 39.1564,
61.9544

■ 7.0058, 5.7854,
12.3315

■ 58.4360, 54.6936,
83.3716

■ 3.5121, 2.7150,
6.8446

■ 78.0719, 73.8772,
109.2306

■ 1.4300, 0.9848,
3.2881

■ 101.6769, 97.0918,
139.9497

■ 0.2774, 0.0000,
1.2436

129.6163,
124.7218, 175.9476

■ 0.0000, 0.0000,
0.0149

162.2556,

■ 0.0000, 0.0000,

157.1514, 217.6429

0.0000

199.9600,
194.7652, 265.4540

■ 19.6895, 17.4842,
30.7708

■ 19.6895, 17.4842,
30.7708

■ 17.1454, 14.0362,
30.2396

■ 22.5897, 21.5153,
31.3963

■ 14.9401, 11.1409,
29.7970

■ 25.8587, 26.1536,
32.1193

■ 13.0575, 8.7683,
29.4383

■ 29.5108, 31.4246,
32.9442

■ 11.4789, 6.8845,
29.1579

■ 33.5590, 37.3515,
33.8749

■ 10.1840, 5.4516,
28.9495

■ 38.0154, 43.9564,
34.9149

■ 9.1492, 4.4257,
28.8061

■ 42.8919, 51.2604,
36.0676

■ 8.3340, 3.7293,
28.7146

■ 48.1996, 59.2835,
37.3365

■ 8.1487, 3.5741,
28.6944

■ 53.9493, 68.0450,
38.7246

■ 60.1516, 77.5636,
40.2350

Harmonies

Analogous

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



17.4107, 17.4842, 34.8260



19.6895, 17.4842, 30.7708



21.2310, 17.4842, 23.8236

Triad

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



19.6895, 17.4842, 30.7708



18.2147, 17.4842, 9.2902



12.5558, 17.4842, 21.3605

Complementary

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



19.6895, 17.4842, 30.7708



22.5079, 27.2451, 18.2606

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.



12.7272, 17.4842, 14.9393



19.6895, 17.4842, 30.7708



15.8501, 17.4842, 8.9298

Square

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



19.6895, 17.4842, 30.7708



20.3255, 17.4842, 11.8824



13.8842, 17.4842, 10.7452



13.3916, 17.4842, 28.6068

Rectangle

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



19.6895, 17.4842, 30.7708



21.5548, 17.4842, 19.0484



13.8842, 17.4842, 10.7452



12.4995, 17.4842, 19.0262

Sweetspot

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



19.6901, 17.4849, 30.7712



45.9100, 46.2662, 57.4318



19.4841, 21.1075, 31.4813



9.9856, 9.9837, 12.6856



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.



19.6901, 17.4849, 30.7712



32.3841, 27.3920, 54.5016



23.0579, 19.2211, 30.9288



5.7527, 5.7635, 7.2790



6.8923, 3.0257, 24.1518



0.1182, 0.0545, 0.2972

Inverse Universe

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



21.7199, 18.7003, 23.2340



36.7343, 29.9973, 38.3178



19.7225, 25.8092, 18.1302



5.9173, 5.8620, 6.6708



11.5539, 5.8266, 6.3978



0.1563, 0.0773, 0.1567

Previews

White Background



This preview shows how the XYZ color 19.6895, 17.4842, 30.7708 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 19.6895, 17.4842, 30.7708 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 19.6895, 17.4842, 30.7708

Background



This preview shows how black text looks on a background with the XYZ color 19.6895, 17.4842, 30.7708.



This preview shows how white text looks on a background with the XYZ color 19.6895, 17.4842,

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

19.6895, 17.4842, 30.7708

Protanopia

17.7892, 17.5978, 33.0310

Deuteranopia

17.9182, 17.5523, 30.4605



Tritanopia

17.7302, 17.5005, 20.8558

Trichromacy



Original Color

19.6895, 17.4842, 30.7708

Protanomaly

18.2717, 17.3660, 32.0947

Deuteranomaly

18.4756, 17.5084, 30.4227

Tritanomaly

18.3067, 17.3948, 24.2225

Monochromacy



Original Color

19.6895, 17.4842, 30.7708

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.1860, 18.0107, 23.6370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6895, 17.4842, 30.7708 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(128, 108, 149)` looks like.

```
.text, #text, p{  
    color:rgb(128, 108, 149)  
}
```

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(128, 108, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 108, 149) }
```

Border

The CSS property to change the border of an element to XYZ 19.6895, 17.4842, 30.7708 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(128, 108, 149) }
```


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

```
.border{ border-color:rgb(128, 108, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 108, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 108, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 108, 149);  
box-shadow:4px 4px 4px 4px rgb(128, 108,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6895, 17.4842, 30.7708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 108, 149) }
```

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

```
.background{ background-color: rgb(128,  
108, 149) }
```

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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