

Converting Colors

XYZ(20.3696, 19.1643, 29.2217)

Have a look what the booklet for
XYZ(20.3696, 19.1643, 29.2217)
contains.

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Color

**XYZ(20.4095, 19.2022,
29.4188)**

Conversions

Conversions Part 1

Format	Color
Hex	817491
RGB	129, 116, 145
RGB Percent	51%, 45%, 57%
CMY	0.4941, 0.5451, 0.4314
CMYK	0.11, 0.20, 0.00, 0.43
HSL	267°, 12%, 51%
HSV	267°, 20%, 57%
XYZ	20.4095, 19.2022, 29.4188
YIQ	123.1930, -1.5610, 11.7750

Conversions

Conversions Part 2

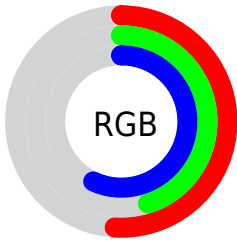
Format	Color
R_{YB}	129, 116, 145
Decimal	8483985
CIE _{Lab}	50.92, 10.95, -13.91
CIE _{LCh}	51, 17.704, 308.207
Yxy	19.2022, 0.2957, 0.2782
Android (android.graphics.Color)	4286674065 (0xFF817491)
YUV	123.1930, 10.7509, 5.0927
Hunter-Lab	43.8203, 6.4516, -9.1302

Details

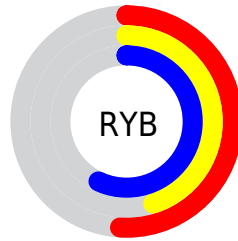
The XYZ color **20.4095, 19.2022, 29.4188** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.7941, 26.4178, 20.4216**, and the grayscale version is **18.8569, 19.8389, 21.6046**.

A 20% lighter version of the original color is **43.6028, 42.0739, 59.8558**, and **7.4409, 6.6659, 11.7209** is the 20% darker color. If you saturate the color by 10%, you get **17.6989, 15.5147, 28.8502**, and if you desaturate by 10%, it is **23.4774, 23.4622, 30.0797**.

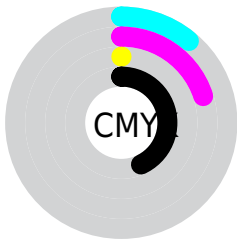
Distribution



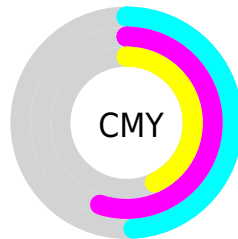
- Red (51%)
- Green (45%)
- Blue (57%)



- Red (51%)
- Yellow (45%)
- Blue (57%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)
- Black (43%)



- Cyan (49%)
- Magenta (55%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4095, 19.2022, 29.4188 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 20.4095, 19.2022, 29.4188 by changing the saturation by 10% instead.

■ 20.4095, 19.2022,
29.4188

■ 20.4095, 19.2022,
29.4188

246.9150,
247.5628, 313.3084

■ 12.8030, 11.8165,
19.1496

■ 43.6014, 42.0755,
59.7919

■ 7.3691, 6.6188,
11.6005

■ 59.9176, 58.3318,
80.7329

■ 3.7424, 3.2249,
6.3530

■ 79.8677, 78.3139,
106.0682

■ 1.5574, 1.2502,
2.9887

103.8171,
102.4059, 136.2163

■ 0.3644, 0.1022,
1.0889

132.1312,
130.9925, 171.5959

■ 0.0000, 0.0000,
0.0000

165.1753,

164.4579, 212.6254

203.3148,
203.1865, 259.7234

■ 20.4095, 19.2022,
29.4188

■ 20.4095, 19.2022,
29.4188

■ 17.6989, 15.5147,
28.8502

■ 23.4774, 23.4622,
30.0797

■ 15.3295, 12.3719,
28.3685

■ 26.9141, 28.3159,
30.8354

■ 13.2867, 9.7476,
27.9696

■ 30.7330, 33.7865,
31.6900

■ 11.5539, 7.6121,
27.6487

■ 34.9459, 39.8949,
32.6470

■ 10.1130, 5.9327,
27.4005

■ 39.5645, 46.6614,
33.7097

8.9437, 4.6725,
27.2189

44.5997, 54.1052,
34.8811

8.0224, 3.7886,
27.0968

50.0620, 62.2446,
36.1643

7.2909, 3.1682,
27.0157

55.9616, 71.0973,
37.5621

7.2908, 3.1681,
27.0156

62.3083, 80.6805,
39.0773

Harmonies

Analogous

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



18.7351, 19.2022, 31.9533



20.4095, 19.2022, 29.4188



21.5526, 19.2022, 24.6883

Triad

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



20.4095, 19.2022, 29.4188



19.5273, 19.2022, 13.1843



15.1230, 19.2022, 22.3122

Complementary

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



20.4095, 19.2022, 29.4188



22.7941, 26.4178, 20.4216

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.



15.3052, 19.2022, 17.5346



20.4095, 19.2022, 29.4188



17.7756, 19.2022, 12.7557

Square

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



20.4095, 19.2022, 29.4188



21.0211, 19.2022, 15.5024



16.2505, 19.2022, 14.2206



15.7358, 19.2022, 27.4433

Rectangle

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



20.4095, 19.2022, 29.4188



21.8202, 19.2022, 21.2104



16.2505, 19.2022, 14.2206



15.0941, 19.2022, 20.6083

Sweetspot

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



20.4101, 19.2030, 29.4192



44.3483, 45.2553, 54.3713



20.6241, 22.3783, 30.0208



9.7905, 9.9614, 12.0789



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.



20.4101, 19.2030, 29.4192



34.2879, 31.2920, 52.2063



22.6960, 20.3814, 29.5262



5.3448, 5.3659, 6.7828



6.2826, 2.7324, 23.1734



0.0848, 0.0389, 0.2227

Inverse Universe

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



22.0879, 20.1772, 24.5609



37.9015, 33.3914, 41.6885



20.7406, 25.3591, 20.3255



5.5255, 5.4707, 6.2655



11.2711, 5.6654, 7.0786



0.1189, 0.0586, 0.1263

Previews

White Background



This preview shows how the XYZ color 20.4095, 19.2022, 29.4188 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 20.4095, 19.2022, 29.4188 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 20.4095, 19.2022, 29.4188

Background



This preview shows how black text looks on a background with the XYZ color 20.4095, 19.2022, 29.4188.



This preview shows how white text looks on a background with the XYZ color 20.4095, 19.2022,

29.4188.

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

20.4095, 19.2022, 29.4188

Protanopia

19.1320, 19.2159, 30.7176

Deuteranopia

19.6569, 19.3448, 29.0835



Tritanopia

19.0973, 19.1878, 23.1192

Trichromacy



Original Color

20.4095, 19.2022, 29.4188

Protanomaly

19.6090, 19.2933, 30.2942

Deuteranomaly

19.9699, 19.3305, 29.0642

Tritanomaly

19.5339, 19.1901, 25.2288

Monochromacy



Original Color

20.4095, 19.2022, 29.4188

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.2707, 19.4316, 24.2077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4095, 19.2022, 29.4188 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(129, 116, 145)` looks like.

```
.text, #text, p{  
    color:rgb(129, 116, 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(129, 116, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 116, 145) }
```

Border

The CSS property to change the border of an element to XYZ 20.4095, 19.2022, 29.4188 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(129, 116, 145) }
```


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

```
.border{ border-color:rgb(129, 116, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 116, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 116, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 116, 145);  
box-shadow:4px 4px 4px 4px rgb(129, 116,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4095, 19.2022, 29.4188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 116, 145) }
```

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

```
.background{ background-color: rgb(129,  
116, 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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