

Converting Colors

XYZ(21.0454, 19.8679, 29.9406)

Have a look what the booklet for
XYZ(21.0454, 19.8679, 29.9406)
contains.

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Color

**XYZ(21.0268, 19.8575,
29.9188)**

Conversions

Conversions Part 1

Format	Color
Hex	837692
RGB	131, 118, 146
RGB Percent	51%, 46%, 57%
CMY	0.4863, 0.5372, 0.4274
CMYK	0.10, 0.19, 0.00, 0.43
HSL	268°, 11%, 52%
HSV	268°, 19%, 57%
XYZ	21.0268, 19.8575, 29.9188
YIQ	125.0790, -1.2400, 11.4640

Conversions

Conversions Part 2

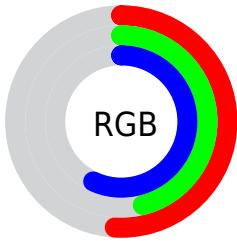
Format	Color
R_{YB}	131, 118, 146
Decimal	8615570
CIE _{Lab}	51.68, 10.69, -13.34
CIE _{LCh}	52, 17.099, 308.714
Yxy	19.8575, 0.2970, 0.2805
Android (android.graphics.Color)	4286805650 (0xFF837692)
YUV	125.0790, 10.3141, 5.1927
Hunter-Lab	44.5618, 6.2435, -8.6141

Details

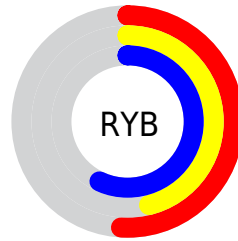
The XYZ color **21.0268, 19.8575, 29.9188** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.2225, 26.8529, 21.0997**, and the grayscale version is **19.4868, 20.5016, 22.3262**.

A 20% lighter version of the original color is **44.5672, 43.1099, 60.6157**, and **7.6491, 6.9559, 11.7659** is the 20% darker color. If you saturate the color by 10%, you get **18.2728, 16.0804, 29.3352**, and if you desaturate by 10%, it is **24.1396, 24.2157, 30.5963**.

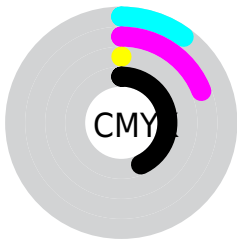
Distribution



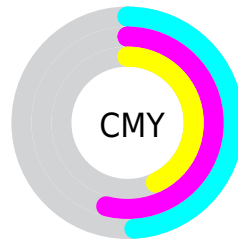
- Red (51%)
- Green (46%)
- Blue (57%)



- Red (51%)
- Yellow (46%)
- Blue (57%)



- Cyan (10%)
- Magenta (19%)
- Yellow (0%)
- Black (43%)



- Cyan (49%)
- Magenta (54%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0268, 19.8575, 29.9188 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 21.0268, 19.8575, 29.9188 by changing the saturation by 10% instead.

■ 21.0268, 19.8575,
29.9188

■ 21.0268, 19.8575,
29.9188

250.1499,
251.1426, 315.7213

■ 13.2562, 12.2915,
19.5254

■ 44.6231, 43.1781,
60.5932

■ 7.6834, 6.9425,
11.8699

■ 61.1794, 59.7016,
81.7114

■ 3.9431, 3.4262,
6.5337

■ 81.3951, 79.9796,
107.2415

■ 1.6700, 1.3581,
3.0982

105.6353,
104.3966, 137.6022

■ 0.4374, 0.1855,
1.1450

134.2656,
133.3371, 173.2120

■ 0.0000, 0.0000,
0.0000

167.6512,

167.1853, 214.4894

206.1575,
206.3257, 261.8530

■ 21.0268, 19.8575,
29.9188

■ 21.0268, 19.8575,
29.9188

■ 18.2728, 16.0804,
29.3352

■ 24.1396, 24.2157,
30.5963

■ 15.8617, 12.8565,
28.8400

■ 27.6228, 29.1764,
31.3702

■ 13.7787, 10.1591,
28.4292

■ 31.4896, 34.7627,
32.2447

■ 12.0073, 7.9586,
28.0978

■ 35.7520, 40.9962,
33.2232

■ 10.5296, 6.2220,
27.8405

■ 40.4215, 47.8969,
34.3091

■ 9.3252, 4.9124,
27.6512

■ 45.5091, 55.4844,
35.5054

■ 8.3709, 3.9867,
27.5228

■ 51.0253, 63.7772,
36.8154

■ 7.6151, 3.3457,
27.4389

■ 56.9803, 72.7932,
38.2418

■ 7.5570, 3.2964,
27.4324

■ 63.3838, 82.5495,
39.7874

Harmonies

Analogous

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



19.3813, 19.8575, 32.4439



21.0268, 19.8575, 29.9188



22.1385, 19.8575, 25.2591

Triad

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



21.0268, 19.8575, 29.9188



20.1047, 19.8575, 13.9188



15.7797, 19.8575, 23.0937

Complementary

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



21.0268, 19.8575, 29.9188



23.2225, 26.8529, 21.0997

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.



15.9472, 19.8575, 18.3510



21.0268, 19.8575, 29.9188



18.3756, 19.8575, 13.5210

Square

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



21.0268, 19.8575, 29.9188



21.5840, 19.8575, 16.2047



16.8733, 19.8575, 15.0203



16.4008, 19.8575, 28.1279

Rectangle

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



21.0268, 19.8575, 29.9188



22.3904, 19.8575, 21.8356



16.8733, 19.8575, 15.0203



15.7464, 19.8575, 21.4087

Sweetspot

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



21.0274, 19.8583, 29.9192



44.3912, 45.2774, 54.3733



21.1027, 22.8124, 30.4855



9.8008, 9.9668, 12.0794



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.



21.0274, 19.8583, 29.9192



34.9343, 32.0509, 52.3187



23.2740, 21.0165, 30.0244



5.7401, 5.7570, 7.2784



6.6754, 2.9138, 24.1416



0.1152, 0.0529, 0.2970

Inverse Universe

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



22.5668, 20.7622, 25.0095



38.2024, 33.9705, 41.8590



21.2124, 25.8166, 21.0056



5.9229, 5.8642, 6.7000



11.6600, 5.8691, 6.9568



0.1576, 0.0778, 0.1636

Previews

White Background



This preview shows how the XYZ color 21.0268, 19.8575, 29.9188 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 21.0268, 19.8575, 29.9188 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 21.0268, 19.8575, 29.9188

Background



This preview shows how black text looks on a background with the XYZ color 21.0268, 19.8575, 29.9188.



This preview shows how white text looks on a background with the XYZ color 21.0268, 19.8575,

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

21.0268, 19.8575, 29.9188

Protanopia

19.7205, 19.8709, 31.2299

Deuteranopia

20.2170, 19.7934, 29.9491



Tritanopia

19.7687, 19.8756, 23.9136

Trichromacy



Original Color

21.0268, 19.8575, 29.9188

Protanomaly

20.2087, 19.9504, 30.8027

Deuteranomaly

20.5375, 19.7810, 29.9298

Tritanomaly

20.2137, 19.8776, 26.0639

Monochromacy



Original Color

21.0268, 19.8575, 29.9188

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.9456, 20.1245, 25.0235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0268, 19.8575, 29.9188 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(131, 118, 146)` looks like.

```
.text, #text, p{  
    color:rgb(131, 118, 146)  
}
```

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(131, 118, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 118, 146) }
```

Border

The CSS property to change the border of an element to XYZ 21.0268, 19.8575, 29.9188 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(131, 118, 146) }
```


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

```
.border{ border-color:rgb(131, 118, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 118, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 118, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 118, 146);  
box-shadow:4px 4px 4px 4px rgb(131, 118,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0268, 19.8575, 29.9188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 118, 146) }
```

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

```
.background{ background-color: rgb(131,  
118, 146) }
```

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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