

Converting Colors

XYZ(21.1076, 20.5571, 49.3098)

Have a look what the booklet for
XYZ(21.1076, 20.5571, 49.3098)
contains.

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Color

**XYZ(21.1076, 20.5571,
49.3098)**

Conversions

Conversions Part 1

Format	Color
Hex	627CBA
RGB	98, 124, 186
RGB Percent	38%, 49%, 73%
CMY	0.6157, 0.5137, 0.2706
CMYK	0.47, 0.33, 0.00, 0.27
HSL	222°, 39%, 56%
HSV	222°, 47%, 73%
XYZ	21.1076, 20.5571, 49.3098
YIQ	123.2940, -35.3980, 13.7700

Conversions

Conversions Part 2

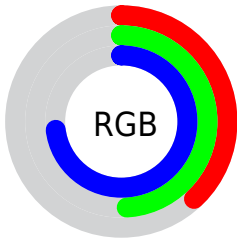
Format	Color
R _Y B	98, 118, 186
Decimal	6454458
CIE Lab	52.46, 7.69, -35.55
CIE LCh	52, 36.373, 282.213
Yxy	20.5571, 0.2320, 0.2260
Android (android.graphics.Color)	4284644538 (0xFF627CBA)
YUV	123.2940, 30.9141, -22.1828
Hunter-Lab	45.3399, 3.7542, -32.7433

Details

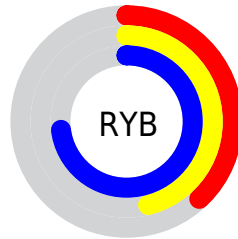
The XYZ color **21.1076, 20.5571, 49.3098** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.0261, 36.4639, 16.7486**, and the grayscale version is **18.8339, 19.8147, 21.5782**.

A 20% lighter version of the original color is **44.6892, 44.2338, 90.1870**, and **7.7041, 7.3271, 22.8380** is the 20% darker color. If you saturate the color by 10%, you get **17.7944, 16.5712, 48.7155**, and if you desaturate by 10%, it is **25.1069, 25.2214, 49.9997**.

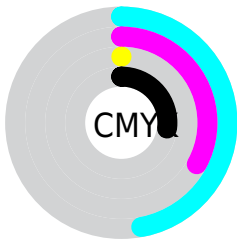
Distribution



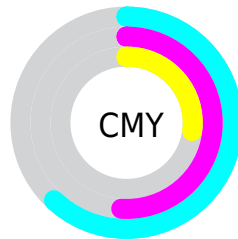
- Red (38%)
- Green (49%)
- Blue (73%)



- Red (38%)
- Yellow (46%)
- Blue (73%)



- Cyan (47%)
- Magenta (33%)
- Yellow (0%)
- Black (27%)



- Cyan (62%)
- Magenta (51%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1076, 20.5571, 49.3098 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 21.1076, 20.5571, 49.3098 by changing the saturation by 10% instead.

■ 21.1076, 20.5571,
49.3098

■ 21.1076, 20.5571,
49.3098

250.5707,
254.9153, 400.6181

■ 13.3156, 12.8006,
34.4980

■ 44.7565, 44.3493,
90.5371

■ 7.7247, 7.2914,
22.9960

■ 61.3440, 61.1537,
117.7897

■ 3.9696, 3.6450,
14.3852

■ 81.5942, 81.7430,
150.0263

■ 1.6850, 1.4770,
8.2473

■ 105.8722,
106.5015, 187.6654

■ 0.4468, 0.2725,
4.1636

134.5435,
135.8136, 231.1257

■ 0.0000, 0.0000,
1.7155

167.9735,

■ 0.0000, 0.0000,

170.0636, 280.8255

0.3713

206.5274,
209.6361, 337.1835

■ 0.0000, 0.0000,
0.0000

■ 21.1076, 20.5571,
49.3098

■ 21.1076, 20.5571,
49.3098

■ 17.7944, 16.5712,
48.7155

■ 25.1069, 25.2214,
49.9997

■ 15.1237, 13.2275,
48.2108

■ 29.8278, 30.5934,
50.7878

■ 13.0501, 10.4896,
47.7916

■ 35.3057, 36.7030,
51.6783

■ 11.5208, 8.3154,
47.4526

■ 41.5733, 43.5779,
52.6750

■ 10.4629, 6.6519,
47.1873

■ 48.6611, 51.2443,
53.7812

■ 10.2269, 6.2729,
47.1266

■ 56.5980, 59.7269,
55.0002

■ 65.4114, 69.0495,
56.3351

■ 75.1275, 79.2348,
57.7890

■ 81.8391, 88.2775,
59.1806

Harmonies

Analogous

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



17.4139, 20.5571, 48.4333



21.1076, 20.5571, 49.3098



24.8066, 20.5571, 41.4730

Triad

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



21.1076, 20.5571, 49.3098



25.3936, 20.5571, 11.1601



13.4350, 20.5571, 16.6385

Complementary

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



21.1076, 20.5571, 49.3098



35.0261, 36.4639, 16.7486

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.



15.0753, 20.5571, 10.2891



21.1076, 20.5571, 49.3098



21.8302, 20.5571, 7.8959

Square

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



21.1076, 20.5571, 49.3098



27.4855, 20.5571, 18.2849



18.0499, 20.5571, 7.6387



13.2938, 20.5571, 27.0522

Rectangle

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



21.1076, 20.5571, 49.3098



26.6533, 20.5571, 33.4817



18.0499, 20.5571, 7.6387



13.8186, 20.5571, 14.0562

Sweetspot

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



21.1083, 20.5578, 49.3103



67.3348, 70.2113, 94.2046



28.9069, 40.2392, 39.3188



14.3062, 14.8863, 20.6619



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



21.1083, 20.5578, 49.3103



31.9126, 29.6181, 88.2363



20.3810, 15.9673, 48.4626



8.7316, 9.1404, 11.3835



6.9379, 4.3356, 31.7242



0.3001, 0.2640, 1.1369

Inverse Universe

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



28.2562, 20.6307, 21.5622



46.7789, 30.8991, 30.2713



35.9979, 44.3690, 18.2232



9.1109, 9.0547, 9.9312



14.1156, 7.2200, 3.2297



0.5257, 0.2657, 0.2616

Previews

White Background



This preview shows how the XYZ color 21.1076, 20.5571, 49.3098 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 21.1076, 20.5571, 49.3098 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

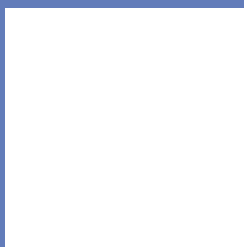
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1076, 20.5571, 49.3098

Background



This preview shows how black text looks on a background with the XYZ color 21.1076, 20.5571, 49.3098.

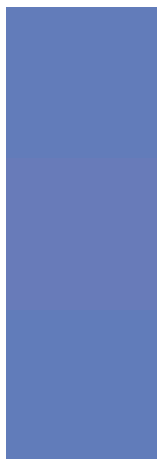


This preview shows how white text looks on a background with the XYZ color 21.1076, 20.5571,

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

21.1076, 20.5571, 49.3098

Protanopia

21.5488, 20.6118, 48.7417

Deuteranopia

21.0003, 20.5019, 49.3048



Tritanopia

17.0918, 20.6895, 29.0792

Trichromacy



Original Color

21.1076, 20.5571, 49.3098

Protanomaly

21.3194, 20.4935, 48.7309

Deuteranomaly

21.0003, 20.5019, 49.3048

Tritanomaly

18.4571, 20.6421, 35.8124

Monochromacy



Original Color

21.1076, 20.5571, 49.3098

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.2107, 19.8186, 30.0070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1076, 20.5571, 49.3098 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(98, 124, 186)` looks like.

```
.text, #text, p{  
    color:rgb(98, 124, 186)  
}
```

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(98, 124, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 124, 186) }
```

Border

The CSS property to change the border of an element to XYZ 21.1076, 20.5571, 49.3098 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(98, 124, 186) }
```


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

```
.border{ border-color:rgb(98, 124, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 124, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 124, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 124, 186);  
box-shadow:4px 4px 4px 4px rgb(98, 124,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1076, 20.5571, 49.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 124, 186) }
```

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

```
.background{ background-color: rgb(98, 124,  
186) }
```

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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