

Converting Colors

XYZ(21.4099, 22.1481, 54.7764)

Have a look what the booklet for
XYZ(21.4099, 22.1481, 54.7764)
contains.

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Color

**XYZ(21.4099, 22.1481,
54.7764)**

Conversions

Conversions Part 1

Format	Color
Hex	5084C3
RGB	80, 132, 195
RGB Percent	31%, 52%, 76%
CMY	0.6862, 0.4823, 0.2353
CMYK	0.59, 0.32, 0.00, 0.24
HSL	213°, 49%, 54%
HSV	213°, 59%, 76%
XYZ	21.4099, 22.1481, 54.7764
YIQ	123.6340, -51.2150, 8.5690

Conversions

Conversions Part 2

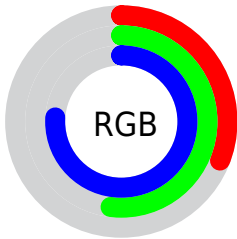
Format	Color
R _Y B	80, 116, 195
Decimal	5276867
CIE Lab	54.18, 1.71, -38.06
CIE LCh	54, 38.097, 272.571
Yxy	22.1481, 0.2177, 0.2252
Android (android.graphics.Color)	4283466947 (0xFF5084C3)
YUV	123.6340, 35.1834, -38.2670
Hunter-Lab	47.0618, -1.1527, -36.0659

Details

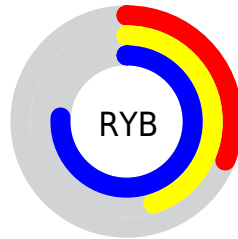
The XYZ color **21.4099, 22.1481, 54.7764** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **33.7775, 31.8282, 11.9539**, and the grayscale version is **18.9365, 19.9226, 21.6958**.

A 20% lighter version of the original color is **45.4009, 47.1295, 98.7995**, and **7.9010, 8.1096, 26.3482** is the 20% darker color. If you saturate the color by 10%, you get **18.6208, 18.6689, 54.2523**, and if you desaturate by 10%, it is **24.8267, 26.1718, 55.3734**.

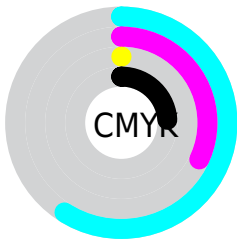
Distribution



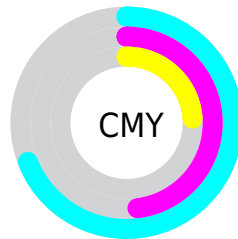
- Red (31%)
- Green (52%)
- Blue (76%)



- Red (31%)
- Yellow (45%)
- Blue (76%)



- Cyan (59%)
- Magenta (32%)
- Yellow (0%)
- Black (24%)



- Cyan (69%)
- Magenta (48%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4099, 22.1481, 54.7764 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 21.4099, 22.1481, 54.7764 by changing the saturation by 10% instead.

■ 21.4099, 22.1481,
54.7764

■ 21.4099, 22.1481,
54.7764

252.1396,
263.3187, 422.3218

■ 13.5381, 13.9658,
38.8253

■ 45.2549, 46.9907,
98.6811

■ 7.8797, 8.0969,
26.3171

■ 61.9588, 64.4197,
127.4719

■ 4.0692, 4.1570,
16.8331

■ 82.3375, 85.6997,
161.3796

■ 1.7414, 1.7618,
9.9549

■ 106.7563,
111.2151, 200.8229

■ 0.4820, 0.4632,
5.2638

135.5805,
141.3503, 246.2202

■ 0.0000, 0.0000,
2.3415

169.1756,

■ 0.0000, 0.0000,

176.4897, 297.9901

0.7543

207.9068,
217.0177, 356.5511

■ 0.0000, 0.0000,
0.0000

■ 21.4099, 22.1481,
54.7764

■ 21.4099, 22.1481,
54.7764

■ 18.6208, 18.6689,
54.2523

■ 24.8267, 26.1718,
55.3734

■ 16.4099, 15.7012,
53.7960

■ 28.9106, 30.7656,
56.0449

■ 14.7231, 13.2104,
53.4041

■ 33.7003, 35.9559,
56.7942

■ 13.4704, 11.1428,
53.0711

■ 39.2306, 41.7664,
57.6243

■ 13.3541, 10.9476,
53.0395

■ 45.5339, 48.2196,
58.5377

■ 52.6408, 55.3364,
59.5368

■ 60.5797, 63.1371,
60.6240

■ 69.3781, 71.6407,
61.8017

■ 78.8749, 80.7691,
63.0631

Harmonies

Analogous

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



17.5960, 22.1481, 50.5075



21.4099, 22.1481, 54.7764



25.6294, 22.1481, 48.8533

Triad

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



21.4099, 22.1481, 54.7764



28.4898, 22.1481, 13.8144



14.7517, 22.1481, 15.0714

Complementary

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



21.4099, 22.1481, 54.7764



33.7775, 31.8282, 11.9539

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.



17.0533, 22.1481, 9.5631



21.4099, 22.1481, 54.7764



24.9313, 22.1481, 9.0221

Square

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



21.4099, 22.1481, 54.7764



30.0376, 22.1481, 23.1081



20.6963, 22.1481, 7.7677



14.0637, 22.1481, 25.1518

Rectangle

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



21.4099, 22.1481, 54.7764



28.0194, 22.1481, 40.7767



20.6963, 22.1481, 7.7677



15.3460, 22.1481, 12.7521

Sweetspot

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



21.4107, 22.1489, 54.7770



70.9979, 75.5659, 103.3135



27.6570, 42.6695, 32.1093



14.8672, 15.8411, 22.5240



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



21.4107, 22.1489, 54.7770



32.0033, 31.6767, 96.8972



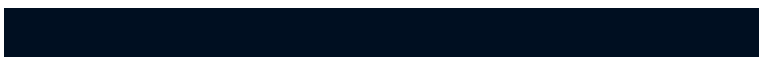
16.3614, 11.5559, 52.9984



9.8950, 10.4812, 12.7864



8.7610, 7.2786, 34.4998



0.4473, 0.4520, 1.5135

Inverse Universe

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



29.5400, 19.0065, 23.9420



48.5584, 27.9139, 33.5115



42.4916, 50.7080, 15.1388



10.2583, 10.1519, 11.4507



15.8181, 8.0170, 6.9543



0.7182, 0.3603, 0.4832

Previews

White Background



This preview shows how the XYZ color 21.4099, 22.1481, 54.7764 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 21.4099, 22.1481, 54.7764 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 21.4099, 22.1481, 54.7764

Background



This preview shows how black text looks on a background with the XYZ color 21.4099, 22.1481, 54.7764.

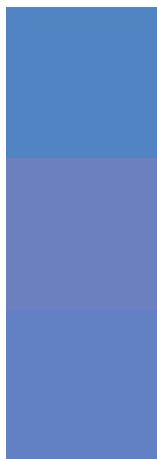


This preview shows how white text looks on a background with the XYZ color 21.4099, 22.1481,

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

21.4099, 22.1481, 54.7764

Protanopia

23.1777, 22.1285, 52.3398

Deuteranopia

22.7438, 22.2274, 55.3161



Tritanopia

16.9700, 22.0153, 33.0607

Trichromacy



Original Color

21.4099, 22.1481, 54.7764

Protanomaly

22.4017, 22.1030, 52.9548

Deuteranomaly

22.2608, 22.1749, 55.3315

Tritanomaly

18.3974, 21.9474, 40.3124

Monochromacy



Original Color

21.4099, 22.1481, 54.7764

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.2787, 20.5689, 31.8083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4099, 22.1481, 54.7764 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(80, 132, 195)` looks like.

```
.text, #text, p{  
    color:rgb(80, 132, 195)  
}
```

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(80, 132, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 132, 195) }
```

Border

The CSS property to change the border of an element to XYZ 21.4099, 22.1481, 54.7764 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(80, 132, 195) }
```


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

```
.border{ border-color:rgb(80, 132, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 132, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 132, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 132, 195);  
box-shadow:4px 4px 4px 4px rgb(80, 132,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4099, 22.1481, 54.7764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 132, 195) }
```

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

```
.background{ background-color: rgb(80, 132,  
195) }
```

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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