

Converting Colors

XYZ(21.8847, 22.1256, 61.3411)

Have a look what the booklet for
XYZ(21.8847, 22.1256, 61.3411)
contains.

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Color

**XYZ(21.8554, 22.0284,
61.4925)**

Conversions

Conversions Part 1

Format	Color
Hex	4783CE
RGB	71, 131, 206
RGB Percent	28%, 51%, 81%
CMY	0.7215, 0.4863, 0.1922
CMYK	0.66, 0.36, 0.00, 0.19
HSL	213°, 58%, 54%
HSV	213°, 66%, 81%
XYZ	21.8554, 22.0284, 61.4925
YIQ	121.6100, -59.8350, 10.6050

Conversions

Conversions Part 2

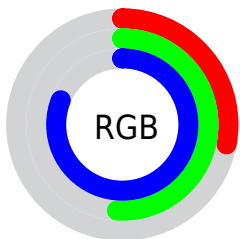
Format	Color
R_{YB}	71, 113, 206
Decimal	4686798
CIE _{Lab}	54.06, 4.35, -44.53
CIE _{LCh}	54, 44.741, 275.580
Yxy	22.0284, 0.2074, 0.2090
Android (android.graphics.Color)	4282876878 (0xFF4783CE)
YUV	121.6100, 41.6043, -44.3850
Hunter-Lab	46.9344, 0.9848, -44.8264

Details

The XYZ color **21.8554, 22.0284, 61.4925** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle muted azure. A complement of this color would be **36.8714, 34.1369, 10.6083**, and the grayscale version is **18.2556, 19.2063, 20.9157**.

A 20% lighter version of the original color is **44.7062, 46.4065, 101.2088**, and **8.6032, 8.2690, 30.4208** is the 20% darker color. If you saturate the color by 10%, you get **19.1395, 18.4713, 60.9495**, and if you desaturate by 10%, it is **25.2548, 26.1905, 62.1172**.

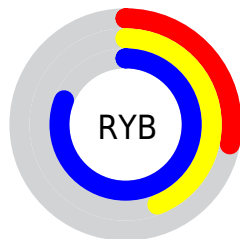
Distribution



Red (28%)

Green (51%)

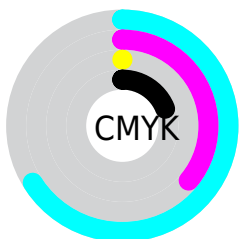
Blue (81%)



Red (28%)

Yellow (44%)

Blue (81%)

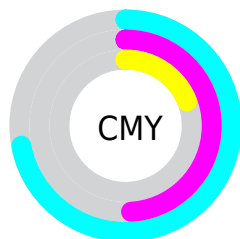


Cyan (66%)

Magenta (36%)

Yellow (0%)

Black (19%)



Cyan (72%)

Magenta (49%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8554, 22.0284, 61.4925 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 21.8554, 22.0284, 61.4925 by changing the saturation by 10% instead.

■ 21.8554, 22.0284,
61.4925

■ 21.8554, 22.0284,
61.4925

254.4368,
262.6945, 448.0339

■ 13.8667, 13.8778,
44.1896

■ 45.9875, 46.7929,
108.5562

■ 8.1091, 8.0357,
30.4813

■ 62.8617, 64.1756,
139.1541

■ 4.2172, 4.1178,
19.9491

■ 83.4283, 85.4045,
175.0207

■ 1.8257, 1.7397,
12.1743

■ 108.0528,
110.8638, 216.5746

■ 0.5331, 0.4491,
6.7385

■ 137.1006,
140.9381, 264.2343

■ 0.0000, 0.0000,
3.2232

170.9369,

■ 0.0000, 0.0000,

176.0117, 318.4185

1.2097

209.9272,
216.4691, 379.5455

■ 0.0000, 0.0000,
0.0000

■ 21.8554, 22.0284,
61.4925

■ 21.8554, 22.0284,
61.4925

■ 19.1395, 18.4713,
60.9495

■ 25.2548, 26.1905,
62.1172

■ 17.0448, 15.4780,
60.4822

■ 29.3869, 30.9900,
62.8258

■ 15.4999, 13.0036,
60.0860

■ 34.2991, 36.4590,
63.6225

■ 14.9290, 12.0330,
59.9287

■ 40.0337, 42.6263,
64.5107

■ 46.6296, 49.5191,
65.4935

■ 54.1235, 57.1627,
66.5739

■ 62.5494, 65.5812,
67.7547

■ 71.9397, 74.7975,
69.0387

■ 81.8053, 84.5654,
70.4041

Harmonies

Analogous

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



17.3208, 22.0284, 57.3590



21.8554, 22.0284, 61.4925



26.8324, 22.0284, 52.8479

Triad

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



21.8554, 22.0284, 61.4925



29.4549, 22.0284, 11.5795



13.5552, 22.0284, 14.5676

Complementary

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



21.8554, 22.0284, 61.4925



36.8714, 34.1369, 10.6083

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.



15.9758, 22.0284, 8.1828



21.8554, 22.0284, 61.4925



25.0252, 22.0284, 6.9815

Square

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



21.8554, 22.0284, 61.4925



31.6326, 22.0284, 21.4857



20.0453, 22.0284, 6.0360



12.9737, 22.0284, 26.6714

Rectangle

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



21.8554, 22.0284, 61.4925



29.5909, 22.0284, 42.4252



20.0453, 22.0284, 6.0360



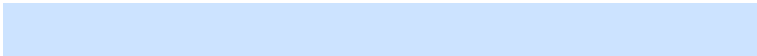
14.1604, 22.0284, 11.8538

Sweetspot

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



21.8563, 22.0291, 61.4931



70.3295, 74.8127, 105.3413



29.8010, 47.5350, 34.4953



14.4125, 15.3412, 22.4515



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.



21.8563, 22.0291, 61.4931



29.3815, 27.6604, 98.3982



16.5164, 10.5732, 59.5633



11.0053, 11.6510, 14.2392



9.2863, 7.5966, 36.9331



0.5543, 0.5424, 1.9304

Inverse Universe

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



31.8044, 19.2681, 23.5161



47.5022, 25.8422, 28.5022



46.8289, 56.7745, 14.4530



11.4160, 11.2951, 12.7254



16.8982, 8.5699, 7.1827



0.9097, 0.4573, 0.5706

Previews

White Background



This preview shows how the XYZ color 21.8554, 22.0284, 61.4925 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 21.8554, 22.0284, 61.4925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

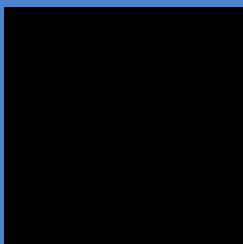
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

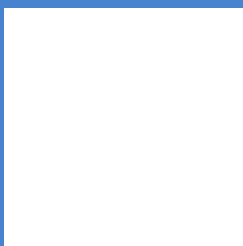
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8554, 22.0284, 61.4925

Background



This preview shows how black text looks on a background with the XYZ color 21.8554, 22.0284, 61.4925.



This preview shows how white text looks on a background with the XYZ color 21.8554, 22.0284,

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

21.8554, 22.0284, 61.4925

Protanopia

23.3771, 21.8953, 58.8712

Deuteranopia

22.6800, 22.0445, 62.0911



Tritanopia

16.2595, 22.0772, 33.5414

Trichromacy



Original Color

21.8554, 22.0284, 61.4925

Protanomaly

22.6185, 21.8740, 59.5299

Deuteranomaly

22.4696, 22.1325, 62.1192

Tritanomaly

17.9001, 21.8593, 42.3056

Monochromacy



Original Color

21.8554, 22.0284, 61.4925

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.6769, 19.8507, 32.9842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8554, 22.0284, 61.4925 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(71, 131, 206)` looks like.

```
.text, #text, p{  
    color:rgb(71, 131, 206)  
}
```

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(71, 131, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 131, 206) }
```

Border

The CSS property to change the border of an element to XYZ 21.8554, 22.0284, 61.4925 is called "border". The border property can be set on classes, ids or directly on the HTML element.

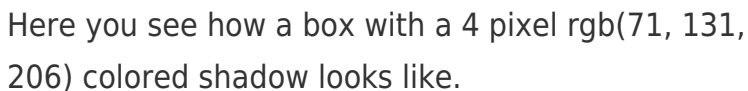
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 131, 206) }
```


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

```
.border{ border-color:rgb(71, 131, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(71, 131, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 131, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 131, 206);  
box-shadow:4px 4px 4px 4px rgb(71, 131,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8554, 22.0284, 61.4925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 131, 206) }
```

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

```
.background{ background-color: rgb(71, 131,  
206) }
```

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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