

Converting Colors

XYZ(21.4753, 18.0542, 55.6428)

Have a look what the booklet for
XYZ(21.4753, 18.0542, 55.6428)
contains.

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Color

**XYZ(21.4874, 18.0178,
55.7713)**

Conversions

Conversions Part 1

Format	Color
Hex	696DC6
RGB	105, 109, 198
RGB Percent	41%, 43%, 78%
CMY	0.5882, 0.5725, 0.2235
CMYK	0.47, 0.45, 0.00, 0.22
HSL	237°, 45%, 59%
HSV	237°, 47%, 78%
XYZ	21.4874, 18.0178, 55.7713
YIQ	117.9500, -30.9530, 26.8310

Conversions

Conversions Part 2

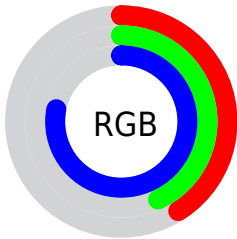
Format	Color
R _Y B	105, 109, 198
Decimal	6909382
CIE Lab	49.52, 22.19, -47.06
CIE LCh	50, 52.029, 295.243
Yxy	18.0178, 0.2255, 0.1891
Android (android.graphics.Color)	4285099462 (0xFF696DC6)
YUV	117.9500, 39.4646, -11.3572
Hunter-Lab	42.4474, 16.0760, -48.1875

Details

The XYZ color **21.4874, 18.0178, 55.7713** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **45.1313, 51.6107, 20.9489**, and the grayscale version is **17.0923, 17.9825, 19.5829**.

A 20% lighter version of the original color is **45.3187, 39.9387, 99.9281**, and **7.8995, 6.0568, 26.7393** is the 20% darker color. If you saturate the color by 10%, you get **17.6186, 13.3394, 55.0725**, and if you desaturate by 10%, it is **26.3347, 23.8480, 56.6415**.

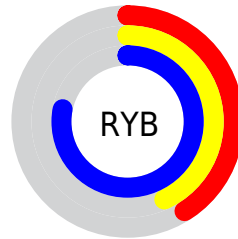
Distribution



Red (41%)

Green (43%)

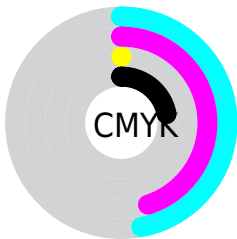
Blue (78%)



Red (41%)

Yellow (43%)

Blue (78%)

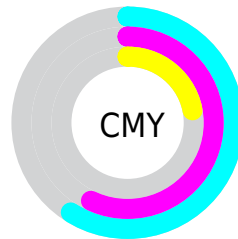


Cyan (47%)

Magenta (45%)

Yellow (0%)

Black (22%)



Cyan (59%)

Magenta (57%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4874, 18.0178, 55.7713 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 21.4874, 18.0178, 55.7713 by changing the saturation by 10% instead.

■ 21.4874, 18.0178,
55.7713

■ 21.4874, 18.0178,
55.7713

252.5405,
240.9714, 426.1931

■ 13.5952, 10.9628,
39.6168

■ 45.3825, 40.0677,
100.1526

■ 7.9195, 6.0418,
26.9284

■ 62.1161, 55.8313,
129.2164

■ 4.0948, 2.8705,
17.2875

■ 82.5276, 75.2665,
163.4205

■ 1.7559, 1.0645,
10.2756

■ 106.9823, 98.7578,
203.1834

■ 0.4909, 0.0000,
5.4741

135.8456,
126.6896, 248.9235

■ 0.0000, 0.0000,
2.4644

169.4829,

■ 0.0000, 0.0000,

159.4461, 301.0595

0.8212

208.2594,
197.4119, 360.0099

■ 0.0000, 0.0000,
0.0000

■ 21.4874, 18.0178,
55.7713

■ 21.4874, 18.0178,
55.7713

■ 17.6186, 13.3394,
55.0725

■ 26.3347, 23.8480,
56.6415

■ 14.6598, 9.7346,
54.5327

■ 32.2187, 30.8973,
57.6921

■ 12.5370, 7.1188,
54.1397

■ 39.1952, 39.2303,
58.9328

■ 11.1637, 5.3935,
53.8790

■ 47.3159, 48.9061,
60.3724

■ 10.4288, 4.4370,
53.7332

■ 56.6288, 59.9805,
62.0191

■ 10.2855, 4.2620,
53.7069

■ 67.1794, 72.5060,
63.8807

■ 79.0106, 86.5324,
65.9645

■ 87.1931, 96.8572,
67.5261

Harmonies

Analogous

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



16.3523, 18.0178, 60.9300



21.4874, 18.0178, 55.7713



26.1384, 18.0178, 39.4858

Triad

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



21.4874, 18.0178, 55.7713



23.1082, 18.0178, 4.7116



9.3185, 18.0178, 17.4550

Complementary

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



21.4874, 18.0178, 55.7713



45.1313, 51.6107, 20.9489

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.



10.4666, 18.0178, 7.8669



21.4874, 18.0178, 55.7713



17.9224, 18.0178, 3.1063

Square

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



21.4874, 18.0178, 55.7713



27.1928, 18.0178, 10.1799



13.3977, 18.0178, 3.8953



9.9114, 18.0178, 33.5981

Rectangle

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



21.4874, 18.0178, 55.7713



28.0061, 18.0178, 27.3651



13.3977, 18.0178, 3.8953



9.5061, 18.0178, 13.4918

Sweetspot

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



21.4881, 18.0184, 55.7717



73.1666, 73.9523, 105.0257



35.6852, 47.2578, 57.8983



15.0189, 15.0636, 22.3659



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.



21.4881, 18.0184, 55.7717



31.2759, 23.7146, 97.5367



27.2513, 20.3707, 55.9220



10.0926, 10.3593, 13.3851



6.7049, 2.8038, 34.9322



0.3305, 0.1589, 1.6584

Inverse Universe

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



31.1013, 23.2140, 17.3100



50.3464, 34.2086, 21.1946



36.4840, 48.4915, 20.8026



10.6520, 10.6442, 11.1509



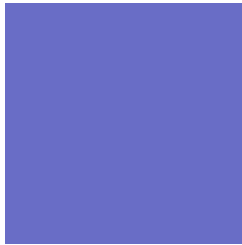
15.1837, 7.8230, 0.9112



0.7255, 0.3731, 0.0778

Previews

White Background



This preview shows how the XYZ color 21.4874, 18.0178, 55.7713 looks on a white background.

Color Contrast Check

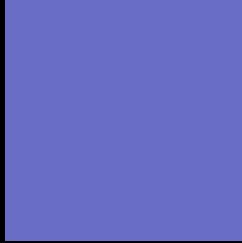
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.4874, 18.0178, 55.7713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

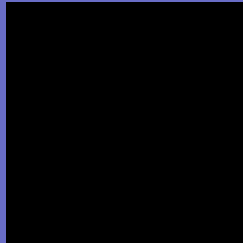
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4874, 18.0178, 55.7713

Background



This preview shows how black text looks on a background with the XYZ color 21.4874, 18.0178, 55.7713.



This preview shows how white text looks on a background with the XYZ color 21.4874, 18.0178,

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

21.4874, 18.0178, 55.7713

Protanopia

20.0521, 18.1930, 58.9546

Deuteranopia

18.6222, 18.0662, 54.7302



Tritanopia

15.3718, 18.1350, 24.8805

Trichromacy



Original Color

21.4874, 18.0178, 55.7713

Protanomaly

20.4722, 18.1020, 57.6734

Deuteranomaly

19.5170, 17.9982, 55.2687

Tritanomaly

17.2987, 18.0077, 34.4624

Monochromacy



Original Color

21.4874, 18.0178, 55.7713

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.2072, 17.8788, 30.0951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4874, 18.0178, 55.7713 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(105, 109, 198)` looks like.

```
.text, #text, p{  
    color:rgb(105, 109, 198)  
}
```

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(105, 109, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 109, 198) }
```

Border

The CSS property to change the border of an element to XYZ 21.4874, 18.0178, 55.7713 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(105, 109, 198) }
```


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

```
.border{ border-color:rgb(105, 109, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 109, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 109, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 109, 198);  
box-shadow:4px 4px 4px 4px rgb(105, 109,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4874, 18.0178, 55.7713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 109, 198) }
```

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

```
.background{ background-color: rgb(105,  
109, 198) }
```

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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