

Converting Colors

XYZ(21.5539, 24.2491, 51.1225)

Have a look what the booklet for
XYZ(21.5539, 24.2491, 51.1225)
contains.

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Color

**XYZ(21.5036, 24.1764,
51.1101)**

Conversions

Conversions Part 1

Format	Color
Hex	4B8DBC
RGB	75, 141, 188
RGB Percent	29%, 55%, 74%
CMY	0.7059, 0.4471, 0.2627
CMYK	0.60, 0.25, 0.00, 0.26
HSL	205°, 46%, 52%
HSV	205°, 60%, 74%
XYZ	21.5036, 24.1764, 51.1101
YIQ	126.6240, -54.4230, 0.6250

Conversions

Conversions Part 2

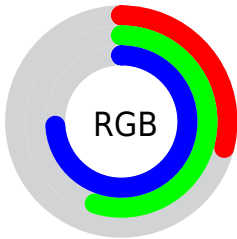
Format	Color
R_{YB}	75, 117, 188
Decimal	4951484
CIE _{Lab}	56.26, -6.81, -30.84
CIE _{LCh}	56, 31.585, 257.541
Yxy	24.1764, 0.2222, 0.2498
Android (android.graphics.Color)	4283141564 (0xFF4B8DBC)
YUV	126.6240, 30.2584, -45.2742
Hunter-Lab	49.1695, -7.9821, -27.2114

Details

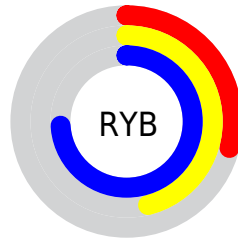
The XYZ color **21.5036, 24.1764, 51.1101** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.9696, 25.1198, 9.9794**, and the grayscale version is **19.9579, 20.9973, 22.8661**.

A 20% lighter version of the original color is **45.2938, 50.1018, 92.8713**, and **8.0442, 9.2034, 23.9067** is the 20% darker color. If you saturate the color by 10%, you get **19.1321, 21.3026, 50.6809**, and if you desaturate by 10%, it is **24.3926, 27.4388, 51.5880**.

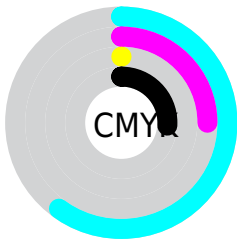
Distribution



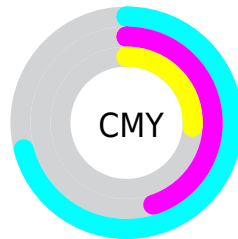
- Red (29%)
- Green (55%)
- Blue (74%)



- Red (29%)
- Yellow (46%)
- Blue (74%)



- Cyan (60%)
- Magenta (25%)
- Yellow (0%)
- Black (26%)



- Cyan (71%)
- Magenta (45%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5036, 24.1764, 51.1101 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 21.5036, 24.1764, 51.1101 by changing the saturation by 10% instead.

■ 21.5036, 24.1764,
51.1101

■ 21.5036, 24.1764,
51.1101

252.6242,
273.7111, 407.8502

■ 13.6072, 15.4645,
35.9189

■ 45.4092, 50.3179,
93.2307

■ 7.9278, 9.1460,
24.0824

■ 62.1490, 68.5163,
120.9971

■ 4.1002, 4.8366,
15.1820

■ 82.5674, 90.6457,
153.7924

■ 1.7590, 2.1517,
8.7992

■ 107.0296,
117.0905, 192.0350

■ 0.4928, 0.6935,
4.5154

■ 135.9010,
148.2350, 236.1436

■ 0.0000, 0.0000,
1.9121

169.5470,

■ 0.0000, 0.0000,

184.4637, 286.5366

0.5004

208.3330,
226.1609, 343.6326

■ 0.0000, 0.0000,
0.0000

■ 21.5036, 24.1764,
51.1101

■ 21.5036, 24.1764,
51.1101

■ 19.1321, 21.3026,
50.6809

■ 24.3926, 27.4388,
51.5880

■ 17.2344, 18.7909,
50.2961

■ 27.8330, 31.1082,
52.1149

■ 15.7628, 16.6148,
49.9536

■ 31.8584, 35.2048,
52.6935

■ 14.6320, 14.7405,
49.6514

■ 36.4988, 39.7464,
53.3256

■ 41.7822, 44.7496,
54.0128

■ 47.7346, 50.2299,
54.7569

■ 54.3807, 56.2021,
55.5593

■ 61.7437, 62.6803,
56.4217

■ 69.8457, 69.6780,
57.3454

Harmonies

Analogous

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



18.5757, 24.1764, 44.0281



21.5036, 24.1764, 51.1101



25.1507, 24.1764, 50.3984

Triad

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



21.5036, 24.1764, 51.1101



30.3094, 24.1764, 20.7396



18.1980, 24.1764, 14.9903

Complementary

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



21.5036, 24.1764, 51.1101



28.9696, 25.1198, 9.9794

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.



20.9359, 24.1764, 11.4776



21.5036, 24.1764, 51.1101



28.0282, 24.1764, 14.1444

Square

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



21.5036, 24.1764, 51.1101



30.5027, 24.1764, 30.8836



24.5203, 24.1764, 11.2154



16.8068, 24.1764, 22.2368

Rectangle

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



21.5036, 24.1764, 51.1101



27.5069, 24.1764, 45.6024



24.5203, 24.1764, 11.2154



18.9773, 24.1764, 13.4271

Sweetspot

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



21.5044, 24.1773, 51.1107



67.7923, 73.6111, 96.8615



24.2881, 38.8239, 24.0479



14.0124, 15.2858, 20.7545



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.



21.5044, 24.1773, 51.1107



33.5283, 37.1396, 91.6277



15.3315, 11.8314, 49.0531



9.4669, 10.1261, 12.1278



10.0368, 10.1854, 33.8299



0.4563, 0.5253, 1.3462

Inverse Universe

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



28.0636, 17.6476, 27.1272



47.0840, 26.5358, 41.4129



37.6726, 42.5260, 12.8804



9.7575, 9.6273, 11.1121



16.0669, 8.0579, 10.9119



0.6612, 0.3284, 0.5953

Previews

White Background



This preview shows how the XYZ color 21.5036, 24.1764, 51.1101 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 21.5036, 24.1764, 51.1101 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 21.5036, 24.1764, 51.1101

Background



This preview shows how black text looks on a background with the XYZ color 21.5036, 24.1764, 51.1101.

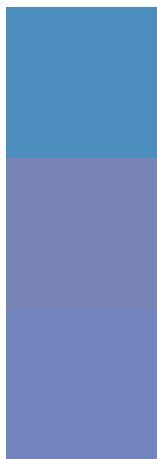


This preview shows how white text looks on a background with the XYZ color 21.5036, 24.1764,

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

21.5036, 24.1764, 51.1101

Protanopia

24.3375, 23.8318, 47.0333

Deuteranopia

24.6212, 24.0702, 52.0635



Tritanopia

18.4370, 24.0505, 36.0182

Trichromacy



Original Color

21.5036, 24.1764, 51.1101

Protanomaly

23.0246, 23.7317, 48.7145

Deuteranomaly

23.2450, 23.9918, 51.5498

Tritanomaly

19.4494, 24.0044, 41.1443

Monochromacy



Original Color

21.5036, 24.1764, 51.1101

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.8604, 21.8606, 31.6065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5036, 24.1764, 51.1101 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(75, 141, 188)` looks like.

```
.text, #text, p{  
    color:rgb(75, 141, 188)  
}
```

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(75, 141, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 141, 188) }
```

Border

The CSS property to change the border of an element to XYZ 21.5036, 24.1764, 51.1101 is called "border". The border property can be set on classes, ids or directly on the HTML element.

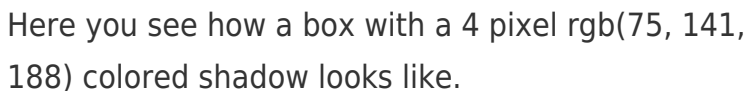
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(75, 141, 188) }
```


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

```
.border{ border-color:rgb(75, 141, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(75, 141, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 141, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 141, 188);  
box-shadow:4px 4px 4px 4px rgb(75, 141,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5036, 24.1764, 51.1101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 141, 188) }
```

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

```
.background{ background-color: rgb(75, 141,  
188) }
```

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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