

Converting Colors

XYZ(21.4455, 25.9593, 48.2313)

Have a look what the booklet for
XYZ(21.4455, 25.9593, 48.2313)
contains.

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Color

**XYZ(21.5057, 26.0656,
48.1537)**

Conversions

Conversions Part 1

Format	Color
Hex	4395B6
RGB	67, 149, 182
RGB Percent	26%, 58%, 71%
CMY	0.7372, 0.4157, 0.2863
CMYK	0.63, 0.18, 0.00, 0.29
HSL	197°, 46%, 49%
HSV	197°, 63%, 71%
XYZ	21.5057, 26.0656, 48.1537
YIQ	128.2440, -59.4650, -7.1210

Conversions

Conversions Part 2

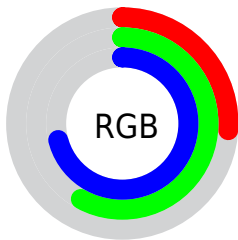
Format	Color
R_{YB}	67, 115, 182
Decimal	4429238
CIE _{Lab}	58.10, -14.71, -24.62
CIE _{LCh}	58, 28.682, 239.134
Yxy	26.0656, 0.2247, 0.2723
Android (android.graphics.Color)	4282619318 (0xFF4395B6)
YUV	128.2440, 26.5017, -53.7110
Hunter-Lab	51.0545, -14.1557, -20.1832

Details

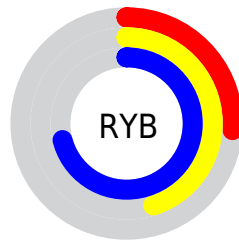
The XYZ color **21.5057, 26.0656, 48.1537** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **24.8626, 19.4658, 7.7581**, and the grayscale version is **20.5291, 21.5982, 23.5204**.

A 20% lighter version of the original color is **45.3927, 53.3205, 88.7884**, and **8.3301, 10.3203, 22.3219** is the 20% darker color. If you saturate the color by 10%, you get **19.6408, 23.9054, 47.8355**, and if you desaturate by 10%, it is **23.8014, 28.5039, 48.5038**.

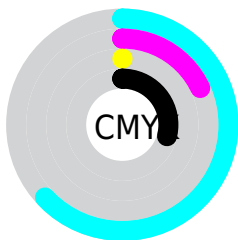
Distribution



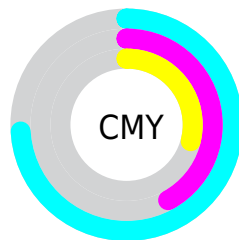
- Red (26%)
- Green (58%)
- Blue (71%)



- Red (26%)
- Yellow (45%)
- Blue (71%)



- Cyan (63%)
- Magenta (18%)
- Yellow (0%)
- Black (29%)



- Cyan (74%)
- Magenta (42%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5057, 26.0656, 48.1537 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 21.5057, 26.0656, 48.1537 by changing the saturation by 10% instead.

■ 21.5057, 26.0656,
48.1537

■ 21.5057, 26.0656,
48.1537

252.6351,
283.1040, 395.9273

■ 13.6087, 16.8727,
33.5878

■ 45.4126, 53.3808,
88.8011

■ 7.9289, 10.1438,
22.3023

■ 62.1533, 72.2718,
115.7197

■ 4.1009, 5.4944,
13.8788

■ 82.5725, 95.1644,
147.5929

■ 1.7594, 2.5402,
7.8986

■ 107.0357,
122.4429, 184.8393

■ 0.4930, 0.8967,
3.9433

■ 135.9082,
154.4917, 227.8774

■ 0.0000, 0.0000,
1.5943

169.5554,

■ 0.0000, 0.0000,

191.6952, 277.1257

0.2867

208.3425,
234.4379, 333.0028

■ 0.0000, 0.0000,
0.0000

■ 21.5057, 26.0656,
48.1537

■ 21.5057, 26.0656,
48.1537

■ 19.6408, 23.9054,
47.8355

■ 23.8014, 28.5039,
48.5038

■ 18.1655, 21.9998,
47.5455

■ 26.5591, 31.2356,
48.8858

■ 17.0343, 20.3253,
47.2819

■ 29.8098, 34.2778,
49.3016

■ 16.3962, 19.2827,
47.1143

■ 33.5809, 37.6454,
49.7529

■ 37.8980, 41.3522,
50.2408

■ 42.7846, 45.4110,
50.7667

■ 48.2629, 49.8338,
51.3317

■ 54.3540, 54.6322,
51.9368

■ 61.0778, 59.8170,
52.5832

Harmonies

Analogous

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



19.3899, 26.0656, 38.7414



21.5057, 26.0656, 48.1537



24.6738, 26.0656, 52.1053

Triad

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



21.5057, 26.0656, 48.1537



32.0654, 26.0656, 28.6710



21.6651, 26.0656, 14.7445

Complementary

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



21.5057, 26.0656, 48.1537



24.8626, 19.4658, 7.7581

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.



24.8756, 26.0656, 13.2376



21.5057, 26.0656, 48.1537



31.0738, 26.0656, 20.0550

Square

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



21.5057, 26.0656, 48.1537



30.9566, 26.0656, 39.3606



28.3590, 26.0656, 14.9321



19.4757, 26.0656, 19.6605

Rectangle

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



21.5057, 26.0656, 48.1537



27.0273, 26.0656, 50.5412



28.3590, 26.0656, 14.9321



22.6506, 26.0656, 13.8815

Sweetspot

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



21.5066, 26.0665, 48.1543



63.7842, 70.7713, 90.5342



21.3237, 35.5620, 17.6926



13.6107, 15.2175, 19.9415



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.5066, 26.0665, 48.1543



34.4297, 41.8688, 86.5026



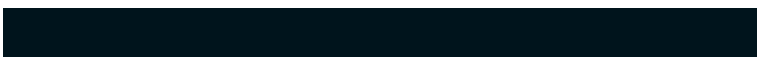
14.5791, 12.2117, 45.8452



9.0431, 9.7633, 11.4873



11.6377, 13.7351, 33.2908



0.4604, 0.5844, 1.1903

Inverse Universe

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



26.7242, 16.1303, 30.1396



45.2366, 24.4693, 48.4762



32.3764, 34.4934, 10.2627



9.2681, 9.1176, 10.7591



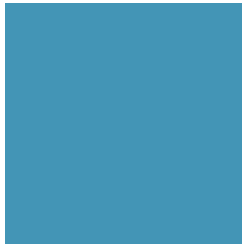
16.4879, 8.1689, 15.7217



0.6065, 0.2981, 0.6874

Previews

White Background



This preview shows how the XYZ color 21.5057, 26.0656, 48.1537 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 21.5057, 26.0656, 48.1537 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 21.5057, 26.0656, 48.1537

Background



This preview shows how black text looks on a background with the XYZ color 21.5057, 26.0656, 48.1537.

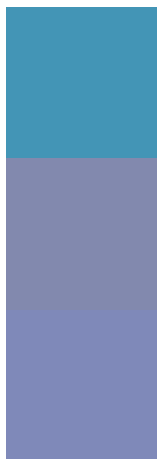


This preview shows how white text looks on a background with the XYZ color 21.5057, 26.0656,

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

21.5057, 26.0656, 48.1537

Protanopia

25.7916, 25.6931, 43.6443

Deuteranopia

26.4550, 25.9061, 49.5050



Tritanopia

19.6740, 26.0363, 39.1105

Trichromacy



Original Color

21.5057, 26.0656, 48.1537

Protanomaly

23.5241, 25.3499, 45.2481

Deuteranomaly

24.0023, 25.5137, 49.0070

Tritanomaly

20.3418, 26.0656, 42.4871

Monochromacy



Original Color

21.5057, 26.0656, 48.1537

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.0933, 22.8106, 31.3608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5057, 26.0656, 48.1537 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(67, 149, 182)` looks like.

```
.text, #text, p{  
    color:rgb(67, 149, 182)  
}
```

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(67, 149, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 149, 182) }
```

Border

The CSS property to change the border of an element to XYZ 21.5057, 26.0656, 48.1537 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(67, 149, 182) }
```


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

```
.border{ border-color:rgb(67, 149, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 149, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 149, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 149, 182);  
box-shadow:4px 4px 4px 4px rgb(67, 149,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5057, 26.0656, 48.1537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 149, 182) }
```

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

```
.background{ background-color: rgb(67, 149,  
182) }
```

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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