

Converting Colors

XYZ(21.2166, 26.1831, 51.4229)

Have a look what the booklet for
XYZ(21.2166, 26.1831, 51.4229)
contains.

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Color

**XYZ(21.1557, 26.0479,
51.4897)**

Conversions

Conversions Part 1

Format	Color
Hex	2F96BC
RGB	47, 150, 188
RGB Percent	18%, 59%, 74%
CMY	0.8157, 0.4118, 0.2627
CMYK	0.75, 0.20, 0.00, 0.26
HSL	196°, 60%, 46%
HSV	196°, 75%, 74%
XYZ	21.1557, 26.0479, 51.4897
YIQ	123.5350, -73.5860, -10.0180

Conversions

Conversions Part 2

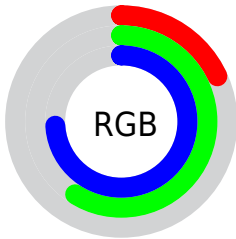
Format	Color
R _Y B	47, 107, 188
Decimal	3118780
CIE Lab	58.08, -16.30, -28.09
CIE LCh	58, 32.478, 239.867
Yxy	26.0479, 0.2144, 0.2639
Android (android.graphics.Color)	4281308860 (0xFF2F96BC)
YUV	123.5350, 31.7812, -67.1212
Hunter-Lab	51.0371, -15.3239, -24.0897

Details

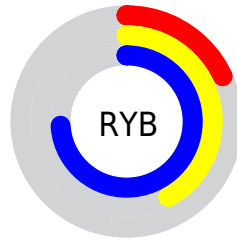
The XYZ color **21.1557, 26.0479, 51.4897** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **24.5016, 17.3949, 4.7564**, and the grayscale version is **18.9203, 19.9056, 21.6772**.

A 20% lighter version of the original color is **44.7321, 53.2281, 93.5044**, and **8.8350, 10.6730, 24.5161** is the 20% darker color. If you saturate the color by 10%, you get **19.6773, 24.1118, 51.1944**, and if you desaturate by 10%, it is **23.0439, 28.2482, 51.8154**.

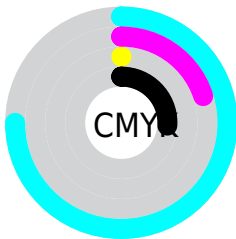
Distribution



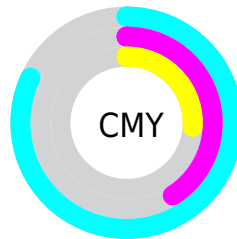
- Red (18%)
- Green (59%)
- Blue (74%)



- Red (18%)
- Yellow (42%)
- Blue (74%)



- Cyan (75%)
- Magenta (20%)
- Yellow (0%)
- Black (26%)



- Cyan (82%)
- Magenta (41%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1557, 26.0479, 51.4897 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 21.1557, 26.0479, 51.4897 by changing the saturation by 10% instead.

■ 21.1557, 26.0479,
51.4897

■ 21.1557, 26.0479,
51.4897

250.8209,
283.0171, 409.3641

■ 13.3510, 16.8595,
36.2191

■ 44.8358, 53.3522,
93.7971

■ 7.7493, 10.1344,
24.3124

■ 61.4420, 72.2369,
121.6710

■ 3.9854, 5.4881,
15.3512

■ 81.7126, 95.1224,
154.5830

■ 1.6939, 2.5364,
8.9169

■ 106.0131,
122.3933, 192.9517

■ 0.4524, 0.8948,
4.5909

■ 134.7088,
154.4337, 237.1956

■ 0.0000, 0.0000,
1.9548

168.1651,

■ 0.0000, 0.0000,

191.6283, 287.7333

0.5273

206.7474,
234.3613, 344.9833

■ 0.0000, 0.0000,
0.0000

■ 21.1557, 26.0479,
51.4897

■ 21.1557, 26.0479,
51.4897

■ 19.6773, 24.1118,
51.1944

■ 23.0439, 28.2482,
51.8154

■ 18.5539, 22.4094,
50.9250

■ 25.3825, 30.7326,
52.1717

■ 18.0703, 21.6170,
50.7976

■ 28.2094, 33.5221,
52.5611

■ 31.5582, 36.6343,
52.9853

■ 35.4587, 40.0854,
53.4459

■ 39.9390, 43.8903,
53.9442

■ 45.0248, 48.0629,
54.4815

■ 50.7404, 52.6163,
55.0592

■ 57.1086, 57.5629,
55.6783

Harmonies

Analogous

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



18.7675, 26.0479, 40.5576



21.1557, 26.0479, 51.4897



24.7402, 26.0479, 55.9644

Triad

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



21.1557, 26.0479, 51.4897



33.1065, 26.0479, 28.4121



21.1831, 26.0479, 13.4330

Complementary

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



21.1557, 26.0479, 51.4897



24.5016, 17.3949, 4.7564

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.



24.7753, 26.0479, 11.7616



21.1557, 26.0479, 51.4897



31.9036, 26.0479, 18.8944

Square

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



21.1557, 26.0479, 51.4897



31.8828, 26.0479, 40.6683



28.7471, 26.0479, 13.4636



18.7821, 26.0479, 18.8280

Rectangle

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



21.1557, 26.0479, 51.4897



27.4147, 26.0479, 53.9632



28.7471, 26.0479, 13.4636



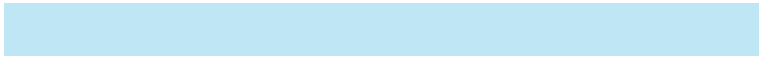
22.2782, 26.0479, 12.4923

Sweetspot

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



21.1566, 26.0488, 51.4903



66.2990, 74.4020, 97.0929



20.7802, 37.2210, 14.6018



13.8078, 15.6125, 20.8283



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.



21.1566, 26.0488, 51.4903



34.2764, 41.6551, 92.4599



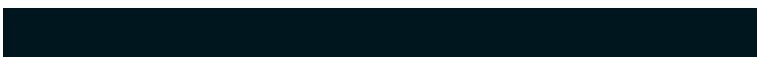
13.1117, 9.9591, 48.8087



9.5852, 10.3627, 12.1672



12.3670, 14.8457, 34.6066



0.5358, 0.6842, 1.3727

Inverse Universe

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



27.2613, 14.9273, 30.2995



46.7246, 23.5704, 48.2196



32.9910, 34.3737, 7.5862



9.8172, 9.6512, 11.4265



17.2431, 8.5284, 17.1054



0.7013, 0.3444, 0.8065

Previews

White Background



This preview shows how the XYZ color 21.1557, 26.0479, 51.4897 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 21.1557, 26.0479, 51.4897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

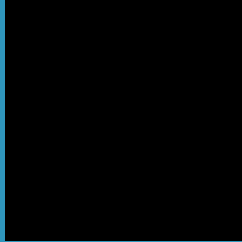
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.1557, 26.0479, 51.4897

Background



This preview shows how black text looks on a background with the XYZ color 21.1557, 26.0479, 51.4897.

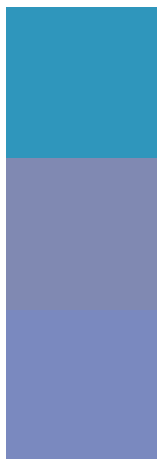


This preview shows how white text looks on a background with the XYZ color 21.1557, 26.0479,

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

21.1557, 26.0479, 51.4897

Protanopia

25.8836, 25.6949, 45.7149

Deuteranopia

26.3757, 25.7905, 52.8781



Tritanopia

18.8645, 26.0840, 40.1168

Trichromacy



Original Color

21.1557, 26.0479, 51.4897

Protanomaly

23.2621, 25.3760, 47.9280

Deuteranomaly

23.6866, 25.4966, 52.3881

Tritanomaly

19.6909, 26.1785, 44.0595

Monochromacy



Original Color

21.1557, 26.0479, 51.4897

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.4779, 21.3684, 30.7544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1557, 26.0479, 51.4897 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(47, 150, 188)` looks like.

```
.text, #text, p{  
    color:rgb(47, 150, 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(47, 150, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 150, 188) }
```

Border

The CSS property to change the border of an element to XYZ 21.1557, 26.0479, 51.4897 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(47, 150, 188) }
```


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

```
.border{ border-color:rgb(47, 150, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 150, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 150, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 150, 188);  
box-shadow:4px 4px 4px 4px rgb(47, 150,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1557, 26.0479, 51.4897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 150, 188) }
```

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

```
.background{ background-color: rgb(47, 150,  
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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