

Converting Colors

XYZ(21.3970, 25.3165, 42.8578)

Have a look what the booklet for
XYZ(21.3970, 25.3165, 42.8578)
contains.

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Color

**XYZ(21.4716, 25.4676,
42.8138)**

Conversions

Conversions Part 1

Format	Color
Hex	5592AC
RGB	85, 146, 172
RGB Percent	33%, 57%, 67%
CMY	0.6666, 0.4274, 0.3255
CMYK	0.51, 0.15, 0.00, 0.33
HSL	198°, 34%, 50%
HSV	198°, 51%, 67%
XYZ	21.4716, 25.4676, 42.8138
YIQ	130.7250, -44.7020, -4.8460

Conversions

Conversions Part 2

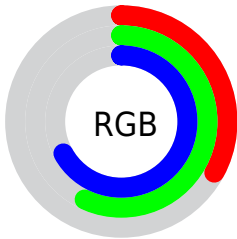
Format	Color
R_{YB}	85, 121, 172
Decimal	5608108
CIE _{Lab}	57.53, -12.41, -19.75
CIE _{LCh}	58, 23.328, 237.847
Yxy	25.4676, 0.2392, 0.2838
Android (android.graphics.Color)	4283798188 (0xFF5592AC)
YUV	130.7250, 20.3486, -40.1008
Hunter-Lab	50.4654, -12.3679, -14.9746

Details

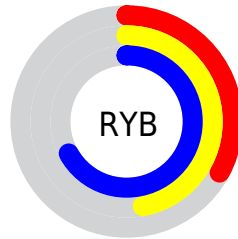
The XYZ color **21.4716, 25.4676, 42.8138** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **24.3381, 20.7962, 11.3265**, and the grayscale version is **21.4173, 22.5327, 24.5381**.

A 20% lighter version of the original color is **45.3346, 52.4301, 80.4037**, and **7.8833, 9.7472, 19.2352** is the 20% darker color. If you saturate the color by 10%, you get **19.3213, 23.2096, 42.4918**, and if you desaturate by 10%, it is **24.0387, 27.9944, 43.1667**.

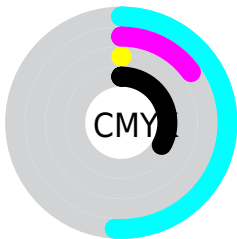
Distribution



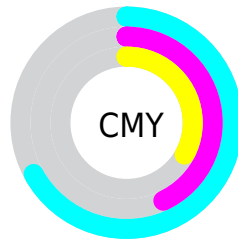
- Red (33%)
- Green (57%)
- Blue (67%)



- Red (33%)
- Yellow (47%)
- Blue (67%)



- Cyan (51%)
- Magenta (15%)
- Yellow (0%)
- Black (33%)



- Cyan (67%)
- Magenta (43%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4716, 25.4676, 42.8138 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 21.4716, 25.4676, 42.8138 by changing the saturation by 10% instead.

■ 21.4716, 25.4676,
42.8138

■ 21.4716, 25.4676,
42.8138

252.4588,
280.1587, 373.7442

■ 13.5836, 16.4258,
29.4087

■ 45.3565, 52.4148,
80.7131

■ 7.9114, 9.8259,
19.1420

■ 62.0841, 71.0890,
106.0445

■ 4.0896, 5.2837,
11.5951

■ 82.4889, 93.7427,
136.1884

■ 1.7530, 2.4147,
6.3494

■ 106.9363,
120.7604, 171.5633

■ 0.4891, 0.8334,
2.9865

135.7916,
152.5264, 212.5877

■ 0.0000, 0.0000,
1.0877

169.4202,

■ 0.0000, 0.0000,

189.4252, 259.6804

0.0000

208.1875,
231.8412, 313.2597

■ 21.4716, 25.4676,
42.8138

■ 21.4716, 25.4676,
42.8138

■ 19.3213, 23.2096,
42.4918

■ 24.0387, 27.9944,
43.1667

■ 17.5569, 21.2022,
42.1973

■ 27.0458, 30.8011,
43.5499

■ 16.1469, 19.4291,
41.9294

■ 30.5172, 33.9014,
43.9654

■ 15.0533, 17.8698,
41.6860

■ 34.4746, 37.3071,
44.4142

■ 14.2352, 16.5561,
41.4756

■ 38.9382, 41.0293,
44.8974

■ 43.9273, 45.0785,
45.4160

■ 49.4598, 49.4646,
45.9710

■ 55.5530, 54.1971,
46.5633

■ 62.2232, 59.2851,
47.1939

Harmonies

Analogous

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



19.7810, 25.4676, 35.5125



21.4716, 25.4676, 42.8138



24.0059, 25.4676, 46.0122

Triad

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



21.4716, 25.4676, 42.8138



29.9500, 25.4676, 28.3090



21.7943, 25.4676, 16.2775

Complementary

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



21.4716, 25.4676, 42.8138



24.3381, 20.7962, 11.3265

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.



24.4076, 25.4676, 15.0733



21.4716, 25.4676, 42.8138



29.2465, 25.4676, 21.1765

Square

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



21.4716, 25.4676, 42.8138



29.0193, 25.4676, 36.7003



27.1636, 25.4676, 16.6840



19.9571, 25.4676, 20.3550

Rectangle

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



21.4716, 25.4676, 42.8138



25.8815, 25.4676, 45.0024



27.1636, 25.4676, 16.6840



22.6048, 25.4676, 15.5619

Sweetspot

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



21.4724, 25.4686, 42.8144



59.0623, 64.7121, 80.1835



21.2950, 32.5552, 19.8145



12.5208, 13.7918, 17.3899



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.4724, 25.4686, 42.8144



34.5230, 41.5253, 77.0014



16.1288, 14.7813, 41.0332



8.0312, 8.6618, 10.2013



10.6428, 12.4195, 30.8808



0.3408, 0.4350, 0.8740

Inverse Universe

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



25.4508, 17.3438, 29.2013



42.9133, 26.2510, 47.8742



30.0694, 32.2589, 13.2370



8.2336, 8.1067, 9.5407



15.2356, 7.5568, 14.1522



0.4464, 0.2193, 0.5126

Previews

White Background



This preview shows how the XYZ color 21.4716, 25.4676, 42.8138 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 21.4716, 25.4676, 42.8138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

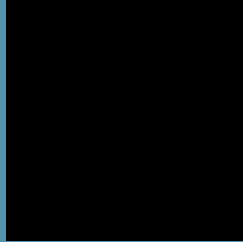
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4716, 25.4676, 42.8138

Background



This preview shows how black text looks on a background with the XYZ color 21.4716, 25.4676, 42.8138.



This preview shows how white text looks on a background with the XYZ color 21.4716, 25.4676,

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

21.4716, 25.4676, 42.8138

Protanopia

24.9558, 25.1502, 39.1365

Deuteranopia

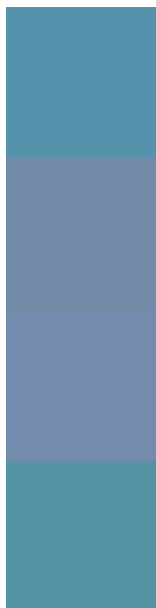
25.8197, 25.2895, 43.5649



Tritanopia

20.3284, 25.4672, 37.1019

Trichromacy



Original Color

21.4716, 25.4676, 42.8138

Protanomaly

23.3854, 25.1607, 40.6698

Deuteranomaly

23.8457, 25.1272, 43.1284

Tritanomaly

20.6142, 25.3416, 38.9269

Monochromacy



Original Color

21.4716, 25.4676, 42.8138

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.9319, 23.2610, 30.5807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4716, 25.4676, 42.8138 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(85, 146, 172)` looks like.

```
.text, #text, p{  
    color:rgb(85, 146, 172)  
}
```

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(85, 146, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 146, 172) }
```

Border

The CSS property to change the border of an element to XYZ 21.4716, 25.4676, 42.8138 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(85, 146, 172) }
```


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

```
.border{ border-color:rgb(85, 146, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 146, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 146, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 146, 172);  
box-shadow:4px 4px 4px 4px rgb(85, 146,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4716, 25.4676, 42.8138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 146, 172) }
```

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

```
.background{ background-color: rgb(85, 146,  
172) }
```

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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