

Converting Colors

XYZ(21.7926, 24.0057, 52.9199)

Have a look what the booklet for
XYZ(21.7926, 24.0057, 52.9199)
contains.

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Color

**XYZ(21.8426, 24.0955,
52.7899)**

Conversions

Conversions Part 1

Format	Color
Hex	4D8CBF
RGB	77, 140, 191
RGB Percent	30%, 55%, 75%
CMY	0.6980, 0.4510, 0.2510
CMYK	0.60, 0.27, 0.00, 0.25
HSL	207°, 47%, 53%
HSV	207°, 60%, 75%
XYZ	21.8426, 24.0955, 52.7899
YIQ	126.9770, -53.9190, 2.5050

Conversions

Conversions Part 2

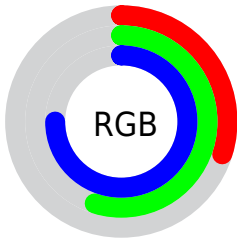
Format	Color
RYB	77, 118, 191
Decimal	5082303
CIELab	56.18, -4.87, -32.66
CIELCh	56, 33.026, 261.514
Yxy	24.0955, 0.2212, 0.2441
Android (android.graphics.Color)	4283272383 (0xFF4D8CBF)
YUV	126.9770, 31.5633, -43.8298
Hunter-Lab	49.0872, -6.4744, -29.4013

Details

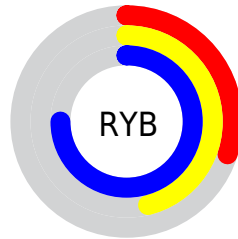
The XYZ color **21.8426, 24.0955, 52.7899** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **30.5456, 27.0520, 10.6339**, and the grayscale version is **20.0741, 21.1195, 22.9992**.

A 20% lighter version of the original color is **46.0049, 50.0681, 96.0463**, and **8.1715, 9.1185, 24.9963** is the 20% darker color. If you saturate the color by 10%, you get **19.3213, 21.0139, 52.3285**, and if you desaturate by 10%, it is **24.9150, 27.6059, 53.3060**.

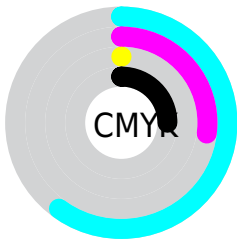
Distribution



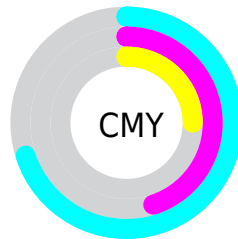
- Red (30%)
- Green (55%)
- Blue (75%)



- Red (30%)
- Yellow (46%)
- Blue (75%)



- Cyan (60%)
- Magenta (27%)
- Yellow (0%)
- Black (25%)



- Cyan (70%)
- Magenta (45%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8426, 24.0955, 52.7899 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 21.8426, 24.0955, 52.7899 by changing the saturation by 10% instead.

■ 21.8426, 24.0955,
52.7899

■ 21.8426, 24.0955,
52.7899

254.3710,
273.3029, 414.5219

■ 13.8572, 15.4045,
37.2485

■ 45.9665, 50.1860,
95.7335

■ 8.1025, 9.1037,
25.1027

■ 62.8358, 68.3543,
123.9729

■ 4.2130, 4.8089,
15.9338

■ 83.3970, 90.4504,
157.2819

■ 1.8233, 2.1356,
9.3235

■ 108.0157,
116.8588, 196.0792

■ 0.5316, 0.6845,
4.8531

■ 137.0570,
147.9639, 240.7834

■ 0.0000, 0.0000,
2.1041

170.8865,

■ 0.0000, 0.0000,

184.1500, 291.8128

0.6182

209.8694,
225.8015, 349.5862

■ 0.0000, 0.0000,
0.0000

■ 21.8426, 24.0955,
52.7899

■ 21.8426, 24.0955,
52.7899

■ 19.3213, 21.0139,
52.3285

■ 24.9150, 27.6059,
53.3060

■ 17.3055, 18.3332,
51.9173

■ 28.5739, 31.5655,
53.8774

■ 15.7454, 16.0249,
51.5539

■ 32.8547, 35.9957,
54.5069

■ 14.5473, 14.0369,
51.2334

■ 37.7889, 40.9159,
55.1966

■ 14.5120, 13.9774,
51.2238

■ 43.4058, 46.3440,
55.9483

■ 49.7328, 52.2970,
56.7638

■ 56.7958, 58.7909,
57.6450

■ 64.6193, 65.8409,
58.5935

■ 73.2265, 73.4618,
59.6108

Harmonies

Analogous

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



18.6567, 24.0955, 46.2161



21.8426, 24.0955, 52.7899



25.6820, 24.0955, 50.8591

Triad

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



21.8426, 24.0955, 52.7899



30.3790, 24.0955, 19.2975



17.6546, 24.0955, 15.2662

Complementary

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



21.8426, 24.0955, 52.7899



30.5456, 27.0520, 10.6339

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.



20.3303, 24.0955, 11.2070



21.8426, 24.0955, 52.7899



27.7470, 24.0955, 13.0477

Square

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



21.8426, 24.0955, 52.7899



30.8989, 24.0955, 29.4404



23.9952, 24.0955, 10.5257



16.4197, 24.0955, 23.2728

Rectangle

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



21.8426, 24.0955, 52.7899



28.0839, 24.0955, 45.1891



23.9952, 24.0955, 10.5257



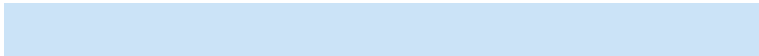
18.4004, 24.0955, 13.4981

Sweetspot

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



21.8435, 24.0964, 52.7905



69.0113, 74.5837, 99.0379



25.4840, 40.3568, 26.3220



14.5439, 15.7789, 21.6644



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.8435, 24.0964, 52.7905



33.2579, 35.8973, 93.4551



15.6826, 11.7747, 50.7369



9.4418, 10.0759, 12.1194



9.6184, 9.3484, 33.6904



0.4411, 0.4950, 1.3411

Inverse Universe

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



28.8741, 18.2785, 26.8179



47.6630, 26.9410, 39.5754



39.8422, 45.6451, 13.7327



9.7448, 9.6222, 11.0453



15.8557, 7.9734, 9.7995



0.6536, 0.3253, 0.5550

Previews

White Background



This preview shows how the XYZ color 21.8426, 24.0955, 52.7899 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 21.8426, 24.0955, 52.7899 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

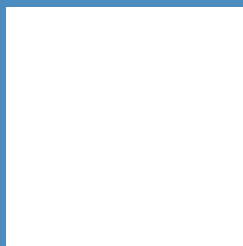
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8426, 24.0955, 52.7899

Background



This preview shows how black text looks on a background with the XYZ color 21.8426, 24.0955, 52.7899.

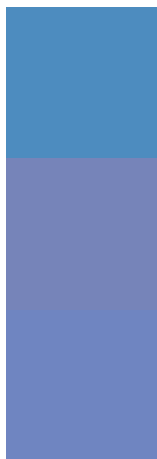


This preview shows how white text looks on a background with the XYZ color 21.8426, 24.0955,

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

21.8426, 24.0955, 52.7899

Protanopia

24.4794, 23.8569, 49.2136

Deuteranopia

24.5687, 24.0048, 53.7906



Tritanopia

18.4370, 24.0505, 36.0182

Trichromacy



Original Color

21.8426, 24.0955, 52.7899

Protanomaly

23.2271, 23.7994, 50.3832

Deuteranomaly

23.4642, 24.0667, 53.2778

Tritanomaly

19.5437, 24.0421, 41.6407

Monochromacy



Original Color

21.8426, 24.0955, 52.7899

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.0630, 21.9557, 32.0346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8426, 24.0955, 52.7899 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(77, 140, 191)` looks like.

```
.text, #text, p{  
    color:rgb(77, 140, 191)  
}
```

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(77, 140, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 140, 191) }
```

Border

The CSS property to change the border of an element to XYZ 21.8426, 24.0955, 52.7899 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(77, 140, 191) }
```


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

```
.border{ border-color:rgb(77, 140, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 140, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 140, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 140, 191);  
box-shadow:4px 4px 4px 4px rgb(77, 140,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8426, 24.0955, 52.7899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 140, 191) }
```

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

```
.background{ background-color: rgb(77, 140,  
191) }
```

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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