

Converting Colors

XYZ(21.2420, 23.5952, 51.5789)

Have a look what the booklet for
XYZ(21.2420, 23.5952, 51.5789)
contains.

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Color

**XYZ(21.2420, 23.5952,
51.5789)**

Conversions

Conversions Part 1

Format	Color
Hex	4A8BBD
RGB	74, 139, 189
RGB Percent	29%, 55%, 74%
CMY	0.7098, 0.4549, 0.2588
CMYK	0.61, 0.26, 0.00, 0.26
HSL	206°, 47%, 52%
HSV	206°, 61%, 74%
XYZ	21.2420, 23.5952, 51.5789
YIQ	125.2650, -54.7900, 1.7700

Conversions

Conversions Part 2

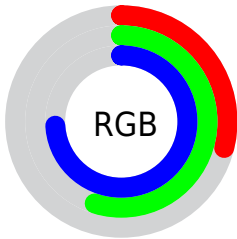
Format	Color
R_{YB}	74, 116, 189
Decimal	4885437
CIE _{Lab}	55.68, -5.54, -32.32
CIE _{LCh}	56, 32.792, 260.277
Yxy	23.5952, 0.2203, 0.2447
Android (android.graphics.Color)	4283075517 (0xFF4A8BBD)
YUV	125.2650, 31.4214, -44.9594
Hunter-Lab	48.5749, -6.9473, -28.9542

Details

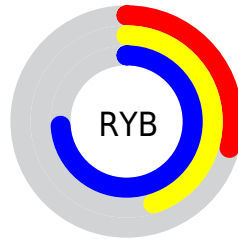
The XYZ color **21.2420, 23.5952, 51.5789** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.4311, 25.7301, 9.8950**, and the grayscale version is **19.4938, 20.5090, 22.3343**.

A 20% lighter version of the original color is **44.8468, 49.1974, 93.5186**, and **7.9456, 8.8940, 24.2196** is the 20% darker color. If you saturate the color by 10%, you get **18.8541, 20.6641, 51.1395**, and if you desaturate by 10%, it is **24.1580, 26.9322, 52.0698**.

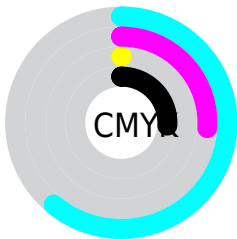
Distribution



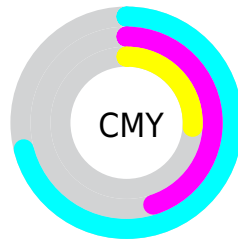
- Red (29%)
- Green (55%)
- Blue (74%)



- Red (29%)
- Yellow (45%)
- Blue (74%)



- Cyan (61%)
- Magenta (26%)
- Yellow (0%)
- Black (26%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2420, 23.5952, 51.5789 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 21.2420, 23.5952, 51.5789 by changing the saturation by 10% instead.

■ 21.2420, 23.5952,
51.5789

■ 21.2420, 23.5952,
51.5789

251.2693,
270.7675, 409.7194

■ 13.4145, 15.0336,
36.2896

■ 44.9782, 49.3688,
93.9302

■ 7.7935, 8.8430,
24.3665

■ 61.6176, 67.3496,
121.8292

■ 4.0138, 4.6389,
15.3910

■ 81.9249, 89.2390,
154.7686

■ 1.7100, 2.0370,
8.9446

■ 106.2657,
115.4213, 193.1668

■ 0.4625, 0.6288,
4.6087

■ 135.0051,
146.2808, 237.4425

■ 0.0000, 0.0000,
1.9649

168.5086,

■ 0.0000, 0.0000,

182.2022, 288.0141

0.5336

207.1416,
223.5696, 345.3002

■ 0.0000, 0.0000,
0.0000

■ 21.2420, 23.5952,
51.5789

■ 21.2420, 23.5952,
51.5789

■ 18.8541, 20.6641,
51.1395

■ 24.1580, 26.9322,
52.0698

■ 16.9495, 18.1115,
50.7472

■ 27.6372, 30.6947,
52.6126

■ 15.4788, 15.9096,
50.3997

■ 31.7139, 34.9036,
53.2102

■ 14.4248, 14.1529,
50.1161

■ 36.4191, 39.5775,
53.8643

■ 41.7815, 44.7337,
54.5770

■ 47.8277, 50.3885,
55.3498

■ 54.5831, 56.5574,
56.1844

■ 62.0714, 63.2550,
57.0825

■ 70.3153, 70.4953,
58.0455

Harmonies

Analogous

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



18.1656, 23.5952, 44.8488



21.2420, 23.5952, 51.5789



24.9933, 23.5952, 50.0451

Triad

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



21.2420, 23.5952, 51.5789



29.8137, 23.5952, 19.2357



17.3705, 23.5952, 14.7126

Complementary

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



21.2420, 23.5952, 51.5789



29.4311, 25.7301, 9.8950

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.



20.0418, 23.5952, 10.8864



21.2420, 23.5952, 51.5789



27.3066, 23.5952, 12.9536

Square

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



21.2420, 23.5952, 51.5789



30.2266, 23.5952, 29.3022



23.6543, 23.5952, 10.3464



16.0990, 23.5952, 22.3897

Rectangle

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



21.2420, 23.5952, 51.5789



27.3668, 23.5952, 44.6651



23.6543, 23.5952, 10.3464



18.1197, 23.5952, 13.0341

Sweetspot

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



21.2428, 23.5960, 51.5795



67.5663, 73.1591, 96.7862



24.6501, 39.3028, 25.3019



13.9571, 15.1751, 20.7360



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.



21.2428, 23.5960, 51.5795



32.5412, 35.4161, 91.3471



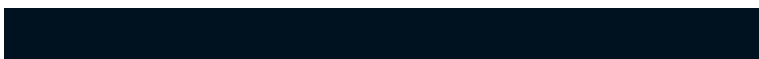
15.0026, 11.1156, 49.4994



9.4518, 10.0960, 12.1228



9.7825, 9.6767, 33.7451



0.4471, 0.5069, 1.3431

Inverse Universe

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



28.0960, 17.5815, 26.3395



46.5246, 26.0779, 39.1892



38.8147, 44.4974, 13.0228



9.7499, 9.6243, 11.0720



15.9385, 8.0066, 10.2357



0.6566, 0.3265, 0.5709

Previews

White Background



This preview shows how the XYZ color 21.2420, 23.5952, 51.5789 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 21.2420, 23.5952, 51.5789 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 21.2420, 23.5952, 51.5789

Background



This preview shows how black text looks on a background with the XYZ color 21.2420, 23.5952, 51.5789.

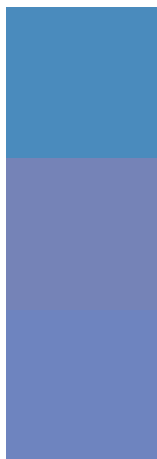


This preview shows how white text looks on a background with the XYZ color 21.2420, 23.5952,

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

21.2420, 23.5952, 51.5789

Protanopia

23.9997, 23.4334, 48.0579

Deuteranopia

24.0856, 23.5791, 52.5720



Tritanopia

18.0148, 23.6149, 35.5069

Trichromacy



Original Color

21.2420, 23.5952, 51.5789

Protanomaly

22.6489, 23.3197, 49.2064

Deuteranomaly

22.8880, 23.5870, 52.0616

Tritanomaly

19.0982, 23.5995, 41.0847

Monochromacy



Original Color

21.2420, 23.5952, 51.5789

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.2718, 21.1676, 31.0870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2420, 23.5952, 51.5789 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(74, 139, 189)` looks like.

```
.text, #text, p{  
    color:rgb(74, 139, 189)  
}
```

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(74, 139, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 139, 189) }
```

Border

The CSS property to change the border of an element to XYZ 21.2420, 23.5952, 51.5789 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(74, 139, 189) }
```


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

```
.border{ border-color:rgb(74, 139, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 139, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 139, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 139, 189);  
box-shadow:4px 4px 4px 4px rgb(74, 139,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2420, 23.5952, 51.5789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 139, 189) }
```

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

```
.background{ background-color: rgb(74, 139,  
189) }
```

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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