

Converting Colors

XYZ(19.4826, 21.8469, 52.7557)

Have a look what the booklet for
XYZ(19.4826, 21.8469, 52.7557)
contains.

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Color

**XYZ(19.3833, 21.7676,
52.4702)**

Conversions

Conversions Part 1

Format	Color
Hex	3287BF
RGB	50, 135, 191
RGB Percent	20%, 53%, 75%
CMY	0.8039, 0.4706, 0.2510
CMYK	0.74, 0.29, 0.00, 0.25
HSL	204°, 59%, 47%
HSV	204°, 74%, 75%
XYZ	19.3833, 21.7676, 52.4702
YIQ	115.9690, -68.6360, -0.6040

Conversions

Conversions Part 2

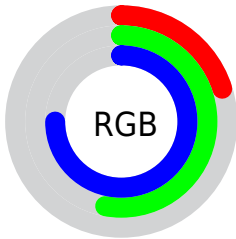
Format	Color
R_{YB}	50, 103, 191
Decimal	3311551
CIE _{Lab}	53.78, -6.47, -36.49
CIE _{LCh}	54, 37.060, 259.950
Yxy	21.7676, 0.2070, 0.2325
Android (android.graphics.Color)	4281501631 (0xFF3287BF)
YUV	115.9690, 36.9903, -57.8548
Hunter-Lab	46.6558, -7.4891, -34.0199

Details

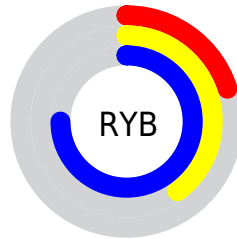
The XYZ color **19.3833, 21.7676, 52.4702** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **27.2169, 21.6167, 5.7566**, and the grayscale version is **16.4974, 17.3566, 18.9013**.

A 20% lighter version of the original color is **41.9967, 46.3886, 95.5474**, and **7.8431, 8.4617, 24.8868** is the 20% darker color. If you saturate the color by 10%, you get **17.6095, 19.3378, 52.0951**, and if you desaturate by 10%, it is **21.6268, 24.5522, 52.8899**.

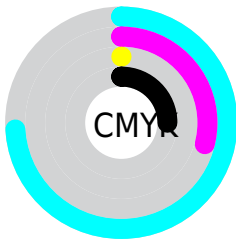
Distribution



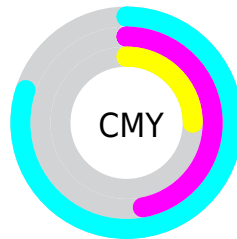
- Red (20%)
- Green (53%)
- Blue (75%)



- Red (20%)
- Yellow (40%)
- Blue (75%)



- Cyan (74%)
- Magenta (29%)
- Yellow (0%)
- Black (25%)



- Cyan (80%)
- Magenta (47%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3833, 21.7676, 52.4702 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 19.3833, 21.7676, 52.4702 by changing the saturation by 10% instead.

■ 19.3833, 21.7676,
52.4702

■ 19.3833, 21.7676,
52.4702

241.4544,
261.3302, 413.2577

■ 12.0532, 13.6862,
36.9952

■ 41.8927, 46.3616,
95.2579

■ 6.8524, 7.9028,
24.9080

■ 57.8027, 63.6430,
123.4078

■ 3.4155, 4.0328,
15.7901

■ 77.3033, 84.7599,
156.6196

■ 1.3771, 1.6919,
9.2230

■ 100.7601,
110.0966, 195.3119

■ 0.2398, 0.4184,
4.7881

■ 128.5382,
140.0377, 239.9034

■ 0.0000, 0.0000,
2.0669

161.0030,

■ 0.0000, 0.0000,

174.9673, 290.8125

0.5960

198.5200,
215.2700, 348.4577

■ 0.0000, 0.0000,
0.0000

■ 19.3833, 21.7676,
52.4702

■ 19.3833, 21.7676,
52.4702

■ 17.6095, 19.3378,
52.0951

■ 21.6268, 24.5522,
52.8899

■ 16.2490, 17.2303,
51.7601

■ 24.3826, 27.7148,
53.3551

■ 15.5506, 16.0547,
51.5700

■ 27.6907, 31.2786,
53.8686

■ 31.5865, 35.2638,
54.4325

■ 36.1018, 39.6891,
55.0487

■ 41.2663, 44.5716,
55.7189

■ 47.1075, 49.9275,
56.4448

■ 53.6513, 55.7722,
57.2281

■ 60.9223, 62.1201,
58.0701

Harmonies

Analogous

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



16.1483, 21.7676, 44.7311



19.3833, 21.7676, 52.4702



23.4100, 21.7676, 50.8261

Triad

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



19.3833, 21.7676, 52.4702



28.7430, 21.7676, 16.9861



15.3701, 21.7676, 12.2167

Complementary

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



19.3833, 21.7676, 52.4702



27.2169, 21.6167, 5.7566

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.



18.1883, 21.7676, 8.4990



19.3833, 21.7676, 52.4702



26.0109, 21.7676, 10.5779

Square

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



19.3833, 21.7676, 52.4702



29.1704, 21.7676, 27.7327



22.0530, 21.7676, 8.0148



14.0358, 21.7676, 20.0807

Rectangle

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



19.3833, 21.7676, 52.4702



25.9989, 21.7676, 44.7690



22.0530, 21.7676, 8.0148



16.1570, 21.7676, 10.5635

Sweetspot

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



19.3841, 21.7683, 52.4707



65.9426, 72.3152, 98.7618



22.4484, 38.9409, 19.4448



13.9578, 15.3773, 21.6177



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.



19.3841, 21.7683, 52.4707



29.8559, 32.0846, 92.8985



12.6950, 8.3902, 50.2411



9.4819, 10.1562, 12.1328



10.2999, 10.7116, 33.9176



0.4657, 0.5441, 1.3493

Inverse Universe

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



27.0003, 15.1078, 24.4152



45.2157, 23.1664, 35.3065



37.3049, 41.7926, 9.1193



9.7651, 9.6303, 11.1520



16.1997, 8.1110, 11.6112



0.6660, 0.3303, 0.6202

Previews

White Background



This preview shows how the XYZ color 19.3833, 21.7676, 52.4702 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 19.3833, 21.7676, 52.4702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

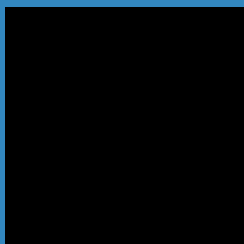
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

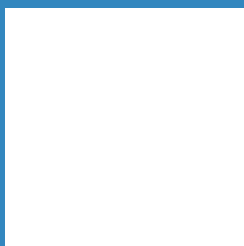
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3833, 21.7676, 52.4702

Background



This preview shows how black text looks on a background with the XYZ color 19.3833, 21.7676, 52.4702.

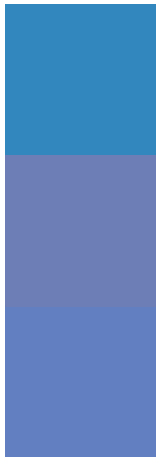


This preview shows how white text looks on a background with the XYZ color 19.3833, 21.7676,

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

19.3833, 21.7676, 52.4702

Protanopia

22.3148, 21.5918, 47.7913

Deuteranopia

22.1448, 21.5704, 53.4484



Tritanopia

15.5057, 21.6791, 33.9391

Trichromacy



Original Color

19.3833, 21.7676, 52.4702

Protanomaly

20.7377, 21.3204, 49.4766

Deuteranomaly

20.8053, 21.4765, 52.9180

Tritanomaly

16.4571, 21.3839, 39.8193

Monochromacy



Original Color

19.3833, 21.7676, 52.4702

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.4545, 18.4244, 28.6756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3833, 21.7676, 52.4702 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(50, 135, 191)` looks like.

```
.text, #text, p{  
    color:rgb(50, 135, 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(50, 135, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 135, 191) }
```

Border

The CSS property to change the border of an element to XYZ 19.3833, 21.7676, 52.4702 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(50, 135, 191) }
```


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

```
.border{ border-color:rgb(50, 135, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 135, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 135, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 135, 191);  
box-shadow:4px 4px 4px 4px rgb(50, 135,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3833, 21.7676, 52.4702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 135, 191) }
```

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

```
.background{ background-color: rgb(50, 135,  
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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