

Converting Colors

XYZ(19.1926, 21.6850, 40.5401)

Have a look what the booklet for
XYZ(19.1926, 21.6850, 40.5401)
contains.

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Color

**XYZ(19.2538, 21.7538,
40.7202)**

Conversions

Conversions Part 1

Format	Color
Hex	5386A9
RGB	83, 134, 169
RGB Percent	33%, 53%, 66%
CMY	0.6745, 0.4745, 0.3373
CMYK	0.51, 0.21, 0.00, 0.34
HSL	204°, 34%, 49%
HSV	204°, 51%, 66%
XYZ	19.2538, 21.7538, 40.7202
YIQ	122.7410, -41.6310, 0.0730

Conversions

Conversions Part 2

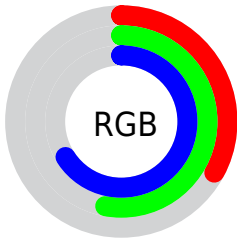
Format	Color
R _Y B	83, 115, 169
Decimal	5473961
CIE Lab	53.76, -7.06, -23.81
CIE LCh	54, 24.835, 253.482
Yxy	21.7538, 0.2356, 0.2662
Android (android.graphics.Color)	4283664041 (0xFF5386A9)
YUV	122.7410, 22.8057, -34.8529
Hunter-Lab	46.6410, -7.9353, -19.1148

Details

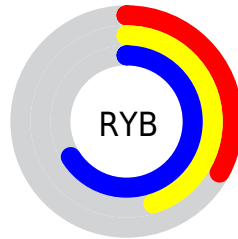
The XYZ color **19.2538, 21.7538, 40.7202** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.4025, 22.0170, 11.1479**, and the grayscale version is **18.6793, 19.6521, 21.4011**.

A 20% lighter version of the original color is **41.5414, 46.2408, 77.2569**, and **6.8361, 7.9755, 18.0088** is the 20% darker color. If you saturate the color by 10%, you get **17.0207, 19.2374, 40.3526**, and if you desaturate by 10%, it is **21.9136, 24.5829, 41.1265**.

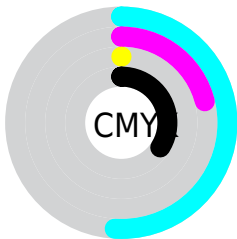
Distribution



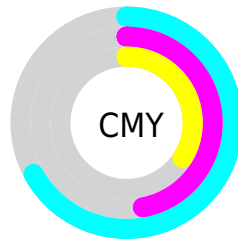
- Red (33%)
- Green (53%)
- Blue (66%)



- Red (33%)
- Yellow (45%)
- Blue (66%)



- Cyan (51%)
- Magenta (21%)
- Yellow (0%)
- Black (34%)



- Cyan (67%)
- Magenta (47%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2538, 21.7538, 40.7202 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 19.2538, 21.7538, 40.7202 by changing the saturation by 10% instead.

■ 19.2538, 21.7538,
40.7202

■ 19.2538, 21.7538,
40.7202

240.7576,
261.2579, 364.7918

■ 11.9589, 13.6761,
27.7825

■ 41.6761, 46.3387,
77.5080

■ 6.7877, 7.8957,
17.9241

■ 57.5342, 63.6148,
102.1952

■ 3.3748, 4.0283,
10.7267

■ 76.9774, 84.7257,
131.6359

■ 1.3549, 1.6894,
5.7715

■ 100.3711,
110.0560, 166.2487

■ 0.2238, 0.4168,
2.6401

■ 128.0806,
139.9899, 206.4522

■ 0.0000, 0.0000,
0.9131

160.4713,

■ 0.0000, 0.0000,

174.9119, 252.6648

0.0000

197.9085,
215.2065, 305.3052

■ 19.2538, 21.7538,
40.7202

■ 19.2538, 21.7538,
40.7202

■ 17.0207, 19.2374,
40.3526

■ 21.9136, 24.5829,
41.1265

■ 15.1841, 17.0150,
40.0204

■ 25.0233, 27.7369,
41.5714

■ 13.7130, 15.0693,
39.7224

■ 28.6067, 31.2303,
42.0568

■ 12.5699, 13.3791,
39.4564

■ 32.6855, 35.0758,
42.5841

■ 11.7400, 12.0216,
39.2381

■ 37.2796, 39.2852,
43.1544

■ 42.4081, 43.8699,
43.7691

■ 48.0889, 48.8406,
44.4291

■ 54.3391, 54.2076,
45.1356

■ 61.1750, 59.9807,
45.8896

Harmonies

Analogous

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



17.1776, 21.7538, 35.2844



19.2538, 21.7538, 40.7202



21.8939, 21.7538, 41.0095

Triad

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



19.2538, 21.7538, 40.7202



26.0688, 21.7538, 20.4276



17.3477, 21.7538, 14.5560

Complementary

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



19.2538, 21.7538, 40.7202



24.4025, 22.0170, 11.1479

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.



19.5048, 21.7538, 12.0919



19.2538, 21.7538, 40.7202



24.6206, 21.7538, 14.9568

Square

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



19.2538, 21.7538, 40.7202



25.9869, 21.7538, 28.1070



22.1673, 21.7538, 12.2209



16.1435, 21.7538, 19.7550

Rectangle

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



19.2538, 21.7538, 40.7202



23.6332, 21.7538, 38.1511



22.1673, 21.7538, 12.2209



17.9770, 21.7538, 13.4357

Sweetspot

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



19.2545, 21.7546, 40.7207



55.2242, 59.7208, 75.8417



20.9903, 31.5092, 21.9296



11.7173, 12.7152, 16.4889



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.2545, 21.7546, 40.7207



30.0496, 33.9455, 72.1934



14.5220, 12.2895, 39.1432



7.4877, 8.0122, 9.5702



8.8032, 9.0667, 29.2616



0.2625, 0.3173, 0.7280

Inverse Universe

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



23.7591, 16.3435, 24.4575



39.3725, 24.3984, 38.1638



30.5643, 34.3406, 13.2018



7.7107, 7.6142, 8.7940



13.9441, 6.9863, 9.7830



0.3637, 0.1797, 0.3665

Previews

White Background



This preview shows how the XYZ color 19.2538, 21.7538, 40.7202 looks on a white background.

Color Contrast Check

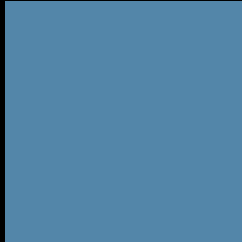
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2538, 21.7538, 40.7202 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

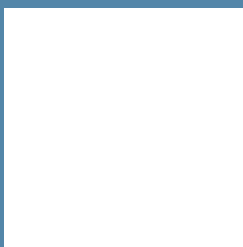
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.2538, 21.7538, 40.7202

Background



This preview shows how black text looks on a background with the XYZ color 19.2538, 21.7538, 40.7202.

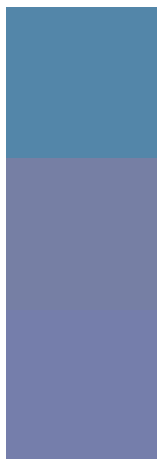


This preview shows how white text looks on a background with the XYZ color 19.2538, 21.7538,

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

19.2538, 21.7538, 40.7202

Protanopia

21.7614, 21.7106, 38.1656

Deuteranopia

22.1477, 21.6439, 41.5385



Tritanopia

17.4938, 21.8834, 31.7357

Trichromacy



Original Color

19.2538, 21.7538, 40.7202

Protanomaly

20.6913, 21.7217, 39.1786

Deuteranomaly

20.9317, 21.6061, 41.0974

Tritanomaly

18.1709, 21.9539, 34.7323

Monochromacy



Original Color

19.2538, 21.7538, 40.7202

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.5073, 20.2603, 27.7461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2538, 21.7538, 40.7202 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(83, 134, 169)` looks like.

```
.text, #text, p{  
    color:rgb(83, 134, 169)  
}
```

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(83, 134, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 134, 169) }
```

Border

The CSS property to change the border of an element to XYZ 19.2538, 21.7538, 40.7202 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(83, 134, 169) }
```


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

```
.border{ border-color:rgb(83, 134, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 134, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 134, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 134, 169);  
box-shadow:4px 4px 4px 4px rgb(83, 134,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2538, 21.7538, 40.7202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 134, 169) }
```

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

```
.background{ background-color: rgb(83, 134,  
169) }
```

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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