

Converting Colors

XYZ(19.2361, 20.8820, 41.2853)

Have a look what the booklet for
XYZ(19.2361, 20.8820, 41.2853)
contains.

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Color

**XYZ(19.2628, 20.9423,
41.0572)**

Conversions

Conversions Part 1

Format	Color
Hex	5882AA
RGB	88, 130, 170
RGB Percent	35%, 51%, 67%
CMY	0.6549, 0.4902, 0.3333
CMYK	0.48, 0.24, 0.00, 0.33
HSL	209°, 33%, 51%
HSV	209°, 48%, 67%
XYZ	19.2628, 20.9423, 41.0572
YIQ	122.0020, -37.8720, 3.5360

Conversions

Conversions Part 2

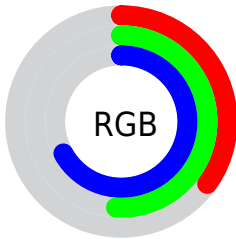
Format	Color
R _Y B	88, 116, 170
Decimal	5800618
CIE Lab	52.89, -3.23, -25.72
CIE LCh	53, 25.923, 262.846
Yxy	20.9423, 0.2370, 0.2577
Android (android.graphics.Color)	4283990698 (0xFF5882AA)
YUV	122.0020, 23.6630, -29.8198
Hunter-Lab	45.7628, -4.9493, -21.1596

Details

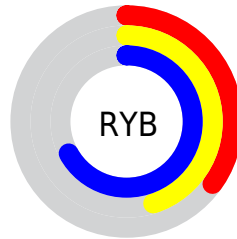
The XYZ color **19.2628, 20.9423, 41.0572** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.0586, 24.6894, 12.6252**, and the grayscale version is **18.4340, 19.3940, 21.1201**.

A 20% lighter version of the original color is **41.6794, 45.0540, 77.7337**, and **6.8081, 7.4999, 18.2283** is the 20% darker color. If you saturate the color by 10%, you get **16.7785, 18.0899, 40.6380**, and if you desaturate by 10%, it is **22.2127, 24.1675, 41.5246**.

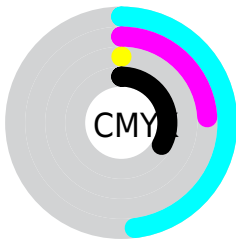
Distribution



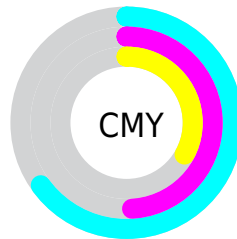
- Red (35%)
- Green (51%)
- Blue (67%)



- Red (35%)
- Yellow (45%)
- Blue (67%)



- Cyan (48%)
- Magenta (24%)
- Yellow (0%)
- Black (33%)



- Cyan (65%)
- Magenta (49%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2628, 20.9423, 41.0572 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 19.2628, 20.9423, 41.0572 by changing the saturation by 10% instead.

■ 19.2628, 20.9423,
41.0572

■ 19.2628, 20.9423,
41.0572

240.8061,
256.9717, 366.2433

■ 11.9655, 13.0818,
28.0437

■ 41.6911, 44.9915,
78.0253

■ 6.7922, 7.4849,
18.1193

■ 57.5529, 61.9490,
102.8171

■ 3.3777, 3.7672,
10.8654

■ 77.0001, 82.7076,
132.3720

■ 1.3565, 1.5442,
5.8633

■ 100.3981,
107.6518, 167.1087

■ 0.2249, 0.3195,
2.6947

128.1124,
137.1659, 207.4456

■ 0.0000, 0.0000,
0.9408

160.5083,

■ 0.0000, 0.0000,

171.6343, 253.8013

0.0000

197.9511,
211.4415, 306.5944

■ 19.2628, 20.9423,
41.0572

■ 19.2628, 20.9423,
41.0572

■ 16.7785, 18.0899,
40.6380

■ 22.2127, 24.1675,
41.5246

■ 14.7290, 15.5902,
40.2635

■ 25.6520, 27.7795,
42.0406

■ 13.0831, 13.4242,
39.9322

■ 29.6052, 31.7944,
42.6072

■ 11.8035, 11.5695,
39.6416

■ 34.0946, 36.2263,
43.2260

■ 10.8275, 9.9900,
39.3882

■ 39.1411, 41.0889,
43.8986

■ 10.6700, 9.7308,
39.3464

■ 44.7643, 46.3948,
44.6263

■ 50.9829, 52.1562,
45.4107

■ 57.8147, 58.3850,
46.2528

■ 65.2769, 65.0923,
47.1542

Harmonies

Analogous

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



16.9194, 20.9423, 36.8929



19.2628, 20.9423, 41.0572



21.9986, 20.9423, 39.5154

Triad

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



19.2628, 20.9423, 41.0572



25.1064, 20.9423, 17.4830



16.0323, 20.9423, 14.9214

Complementary

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



19.2628, 20.9423, 41.0572



26.0586, 24.6894, 12.6252

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.



17.9487, 20.9423, 11.6251



19.2628, 20.9423, 41.0572



23.2227, 20.9423, 12.8525

Square

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



19.2628, 20.9423, 41.0572



25.5389, 20.9423, 24.7130



20.5614, 20.9423, 10.9647



15.1673, 20.9423, 20.9933

Rectangle

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



19.2628, 20.9423, 41.0572



23.6650, 20.9423, 35.5950



20.5614, 20.9423, 10.9647



16.5660, 20.9423, 13.5139

Sweetspot

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



19.2635, 20.9431, 41.0577



56.8381, 60.7954, 77.7409



22.2720, 32.3735, 25.3713



12.3026, 13.1878, 17.2848



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.



19.2635, 20.9431, 41.0577



30.1094, 32.4274, 73.6741



14.8838, 12.1836, 39.5978



7.4376, 7.9121, 9.5535



7.9050, 7.2701, 28.9621



0.2433, 0.2788, 0.7216

Inverse Universe

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



24.0971, 17.1378, 23.1578



40.2735, 25.8718, 35.7101



32.4593, 37.4907, 14.7588



7.6855, 7.6040, 8.6608



13.4907, 6.8050, 7.3953



0.3540, 0.1759, 0.3154

Previews

White Background



This preview shows how the XYZ color 19.2628, 20.9423, 41.0572 looks on a white background.

Color Contrast Check

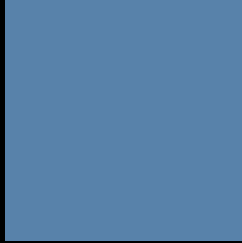
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2628, 20.9423, 41.0572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

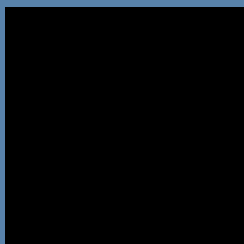
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

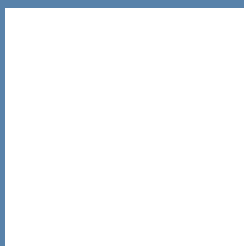
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.2628, 20.9423, 41.0572

Background



This preview shows how black text looks on a background with the XYZ color 19.2628, 20.9423, 41.0572.



This preview shows how white text looks on a background with the XYZ color 19.2628, 20.9423,

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

19.2628, 20.9423, 41.0572

Protanopia

21.0300, 20.7459, 38.9723

Deuteranopia

21.2404, 20.8003, 41.4234



Tritanopia

16.9442, 20.8000, 29.9098

Trichromacy



Original Color

19.2628, 20.9423, 41.0572

Protanomaly

20.2616, 20.7150, 39.4897

Deuteranomaly

20.4051, 20.7455, 41.4569

Tritanomaly

17.7875, 20.9472, 33.6776

Monochromacy



Original Color

19.2628, 20.9423, 41.0572

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4242, 19.8463, 27.2858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2628, 20.9423, 41.0572 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(88, 130, 170)` looks like.

```
.text, #text, p{  
    color:rgb(88, 130, 170)  
}
```

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(88, 130, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 130, 170) }
```

Border

The CSS property to change the border of an element to XYZ 19.2628, 20.9423, 41.0572 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(88, 130, 170) }
```


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

```
.border{ border-color:rgb(88, 130, 170) }
```

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

Here you see how a box with a 4 pixel rgb(88, 130, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 130, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 130, 170);  
box-shadow:4px 4px 4px 4px rgb(88, 130,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2628, 20.9423, 41.0572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 130, 170) }
```

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

```
.background{ background-color: rgb(88, 130,  
170) }
```

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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