

Converting Colors

XYZ(17.8639, 20.3524, 36.1919)

Have a look what the booklet for
XYZ(17.8639, 20.3524, 36.1919)
contains.

XYZ(17.8951, 20.3423, 36.2410)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.8951, 20.3423,
36.2410)**

Conversions

Conversions Part 1

Format	Color
Hex	5382A0
RGB	83, 130, 160
RGB Percent	33%, 51%, 63%
CMY	0.6745, 0.4902, 0.3725
CMYK	0.48, 0.19, 0.00, 0.37
HSL	203°, 32%, 48%
HSV	203°, 48%, 63%
XYZ	17.8951, 20.3423, 36.2410
YIQ	119.3670, -37.6420, -0.6340

Conversions

Conversions Part 2

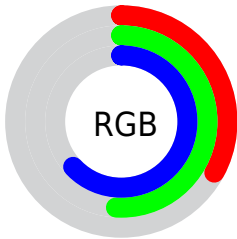
Format	Color
R _Y B	83, 112, 160
Decimal	5472928
CIE Lab	52.22, -7.49, -20.98
CIE LCh	52, 22.276, 250.359
Yxy	20.3423, 0.2403, 0.2731
Android (android.graphics.Color)	4283663008 (0xFF5382A0)
YUV	119.3670, 20.0321, -31.8939
Hunter-Lab	45.1024, -8.1066, -16.0694

Details

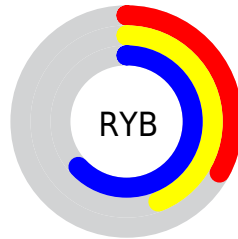
The XYZ color **17.8951, 20.3423, 36.2410** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **21.9643, 19.9092, 10.8696**, and the grayscale version is **17.5985, 18.5150, 20.1628**.

A 20% lighter version of the original color is **39.5158, 44.0916, 70.7178**, and **6.1012, 7.2006, 15.2556** is the 20% darker color. If you saturate the color by 10%, you get **15.8389, 18.0888, 35.9148**, and if you desaturate by 10%, it is **20.3287, 22.8658, 36.6002**.

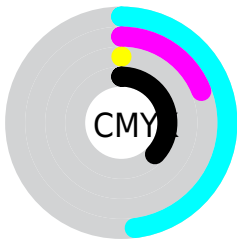
Distribution



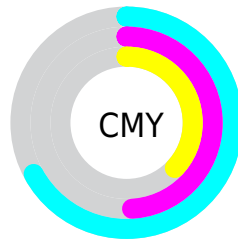
- Red (33%)
- Green (51%)
- Blue (63%)



- Red (33%)
- Yellow (44%)
- Blue (63%)



- Cyan (48%)
- Magenta (19%)
- Yellow (0%)
- Black (37%)



- Cyan (67%)
- Magenta (49%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8951, 20.3423, 36.2410 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 17.8951, 20.3423, 36.2410 by changing the saturation by 10% instead.

■ 17.8951, 20.3423,
36.2410

■ 17.8951, 20.3423,
36.2410

■ 233.3361,
253.7622, 345.0819

■ 10.9739, 12.6441,
24.3292

■ 39.3900, 43.9903,
70.5771

■ 6.1165, 7.1839,
15.3636

■ 54.6944, 60.7090,
93.8385

■ 2.9574, 3.5774,
8.9255

■ 73.5240, 81.2032,
121.7202

■ 1.1313, 1.4401,
4.5965

■ 96.2440, 105.8574,
154.6407

■ 0.0510, 0.2460,
1.9579

■ 123.2199,
135.0560, 193.0186

■ 0.0000, 0.0000,
0.5292

154.8170,

■ 0.0000, 0.0000,

169.1835, 237.2724

0.0000

191.4006,
208.6240, 287.8207

■ 17.8951, 20.3423,
36.2410

■ 17.8951, 20.3423,
36.2410

■ 15.8389, 18.0888,
35.9148

■ 20.3287, 22.8658,
36.6002

■ 14.1344, 16.0895,
35.6187

■ 23.1590, 25.6693,
36.9921

■ 12.7558, 14.3301,
35.3518

■ 26.4066, 28.7649,
37.4185

■ 11.6722, 12.7933,
35.1123

■ 30.0896, 32.1634,
37.8803

■ 10.8289, 11.4495,
34.8973

■ 34.2252, 35.8747,
38.3787

■ 10.6814, 11.2104,
34.8590

■ 38.8297, 39.9084,
38.9146

■ 43.9185, 44.2735,
39.4890

■ 49.5061, 48.9788,
40.1027

■ 55.6066, 54.0324,
40.7566

Harmonies

Analogous

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



16.1761, 20.3423, 31.3388



17.8951, 20.3423, 36.2410



20.1357, 20.3423, 36.9778

Triad

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



17.8951, 20.3423, 36.2410



23.9873, 20.3423, 19.9626



16.6266, 20.3423, 13.8774

Complementary

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



17.8951, 20.3423, 36.2410



21.9643, 19.9092, 10.8696

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.



18.5553, 20.3423, 11.9332



17.8951, 20.3423, 36.2410



22.8800, 20.3423, 14.9586

Square

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



17.8951, 20.3423, 36.2410



23.7754, 20.3423, 26.6541



20.8496, 20.3423, 12.2856



15.4846, 20.3423, 18.1830

Rectangle

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



17.8951, 20.3423, 36.2410



21.6417, 20.3423, 34.8790



20.8496, 20.3423, 12.2856



17.1979, 20.3423, 12.9685

Sweetspot

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



17.8958, 20.3431, 36.2415



50.4272, 54.5395, 68.2559



19.0922, 28.1625, 19.9110



10.7691, 11.6916, 14.9328



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.8958, 20.3431, 36.2415



28.4224, 32.4618, 65.1543



13.7389, 12.0293, 34.8559



6.6047, 7.0751, 8.4242



8.3642, 8.8200, 27.1688



0.1897, 0.2381, 0.4992

Inverse Universe

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



21.6203, 15.2726, 22.9282



36.3061, 23.1234, 36.6616



27.1283, 30.2372, 12.5910



6.7945, 6.7107, 7.7692



13.0201, 6.5126, 9.6227



0.2531, 0.1246, 0.2789

Previews

White Background



This preview shows how the XYZ color 17.8951, 20.3423, 36.2410 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 17.8951, 20.3423, 36.2410 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 17.8951, 20.3423, 36.2410

Background



This preview shows how black text looks on a background with the XYZ color 17.8951, 20.3423, 36.2410.

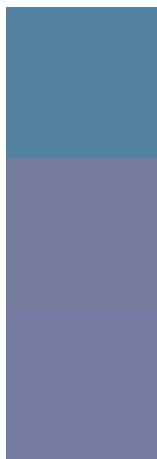


This preview shows how white text looks on a background with the XYZ color 17.8951, 20.3423,

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

17.8951, 20.3423, 36.2410

Protanopia

20.2018, 20.2455, 33.8534

Deuteranopia

20.6836, 20.2407, 36.9991



Tritanopia

16.5635, 20.4084, 29.4518

Trichromacy



Original Color

17.8951, 20.3423, 36.2410

Protanomaly

19.2556, 20.2991, 34.8015

Deuteranomaly

19.4756, 20.1835, 36.5875

Tritanomaly

17.0646, 20.4100, 31.8943

Monochromacy



Original Color

17.8951, 20.3423, 36.2410

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.3299, 18.9513, 25.2988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8951, 20.3423, 36.2410 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, 130, 160)` looks like.

```
.text, #text, p{  
    color:rgb(83, 130, 160)  
}
```

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, 130, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 130, 160) }
```

Border

The CSS property to change the border of an element to XYZ 17.8951, 20.3423, 36.2410 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, 130, 160) }
```


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

```
.border{ border-color:rgb(83, 130, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 130, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 130, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 130, 160);  
box-shadow:4px 4px 4px 4px rgb(83, 130,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8951, 20.3423, 36.2410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 130, 160) }
```

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

```
.background{ background-color: rgb(83, 130,  
160) }
```

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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