

Converting Colors

XYZ(18.8751, 14.5417, 52.4826)

Have a look what the booklet for
XYZ(18.8751, 14.5417, 52.4826)
contains.

XYZ(18.8839, 14.5650, 52.2681)	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(18.8839, 14.5650,
52.2681)**

Conversions

Conversions Part 1

Format	Color
Hex	645EC1
RGB	100, 94, 193
RGB Percent	39%, 37%, 76%
CMY	0.6078, 0.6314, 0.2431
CMYK	0.48, 0.51, 0.00, 0.24
HSL	244°, 44%, 56%
HSV	244°, 51%, 76%
XYZ	18.8839, 14.5650, 52.2681
YIQ	107.0800, -28.2030, 32.0610

Conversions

Conversions Part 2

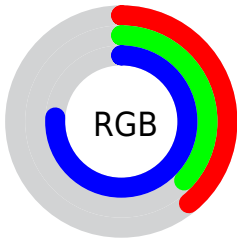
Format	Color
R _Y B	100, 94, 193
Decimal	6577857
CIE Lab	45.03, 28.69, -51.37
CIE LCh	45, 58.837, 299.179
Yxy	14.5650, 0.2203, 0.1699
Android (android.graphics.Color)	4284767937 (0xFF645EC1)
YUV	107.0800, 42.3586, -6.2092
Hunter-Lab	38.1641, 21.5360, -54.4864

Details

The XYZ color **18.8839, 14.5650, 52.2681** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted purple. A complement of this color would be **41.5833, 49.5128, 17.9552**, and the grayscale version is **13.8898, 14.6131, 15.9137**.

A 20% lighter version of the original color is **41.0910, 34.2208, 94.8820**, and **6.6316, 4.4494, 24.9354** is the 20% darker color. If you saturate the color by 10%, you get **15.5903, 10.6302, 51.6825**, and if you desaturate by 10%, it is **23.0539, 19.5888, 53.0183**.

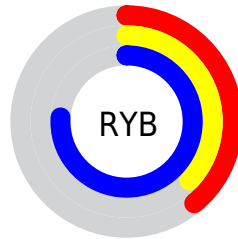
Distribution



Red (39%)

Green (37%)

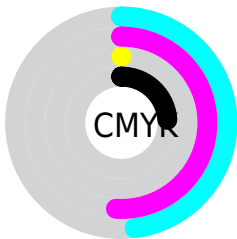
Blue (76%)



Red (39%)

Yellow (37%)

Blue (76%)

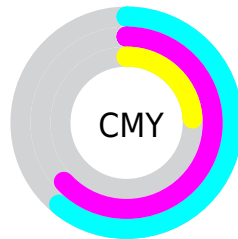


Cyan (48%)

Magenta (51%)

Yellow (0%)

Black (24%)



Cyan (61%)

Magenta (63%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8839, 14.5650, 52.2681 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 18.8839, 14.5650, 52.2681 by changing the saturation by 10% instead.

■ 18.8839, 14.5650,
52.2681

■ 18.8839, 14.5650,
52.2681

238.7575,
220.7180, 412.4571

■ 11.6899, 8.5147,
36.8351

■ 41.0562, 34.0882,
94.9571

■ 6.6036, 4.4260,
24.7851

■ 56.7653, 48.3299,
123.0502

■ 3.2596, 1.9146,
15.6994

■ 76.0434, 66.0709,
156.2004

■ 1.2925, 0.5571,
9.1597

■ 99.2559, 87.6954,
194.8263

■ 0.1776, 0.0000,
4.7472

126.7683,
113.5880, 239.3464

■ 0.0000, 0.0000,
2.0436

158.9457,

■ 0.0000, 0.0000,

144.1330, 290.1792

0.5819

196.1537,
179.7149, 347.7432

■ 0.0000, 0.0000,
0.0000

■ 18.8839, 14.5650,
52.2681

■ 18.8839, 14.5650,
52.2681

■ 15.5903, 10.6302,
51.6825

■ 23.0539, 19.5888,
53.0183

■ 13.1088, 7.7024,
51.2482

■ 28.1550, 25.7727,
53.9431

■ 11.3691, 5.6901,
50.9515

■ 34.2394, 33.1835,
55.0528

■ 10.2880, 4.4847,
50.7758

■ 41.3550, 41.8822,
56.3568

■ 9.7732, 3.9263,
50.6951

■ 49.5466, 51.9262,
57.8637

■ 58.8564, 63.3691,
59.5818

■ 69.3240, 76.2618,
61.5186

■ 80.9876, 90.6524,
63.6815

■ 86.6257, 96.6303,
64.5382

Harmonies

Analogous

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



13.7110, 14.5650, 60.0999



18.8839, 14.5650, 52.2681



23.4505, 14.5650, 33.7656

Triad

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



18.8839, 14.5650, 52.2681



19.1688, 14.5650, 2.2277



6.4782, 14.5650, 15.4808

Complementary

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



18.8839, 14.5650, 52.2681



41.5833, 49.5128, 17.9552

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.



7.3008, 14.5650, 5.7610



18.8839, 14.5650, 52.2681



13.9771, 14.5650, 1.3594

Square

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



18.8839, 14.5650, 52.2681



23.6401, 14.5650, 6.1036



9.7909, 14.5650, 2.1263



7.2143, 14.5650, 32.6850

Rectangle

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



18.8839, 14.5650, 52.2681



25.1179, 14.5650, 21.3955



9.7909, 14.5650, 2.1263



6.5777, 14.5650, 11.3706

Sweetspot

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



18.8845, 14.5655, 52.2685



68.8198, 68.5905, 99.9724



32.2359, 42.2181, 56.9023



14.1835, 14.0051, 21.3410



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.



18.8845, 14.5655, 52.2685



27.0789, 18.0379, 92.4147



25.9230, 18.1939, 52.5979



9.5836, 9.7765, 12.6668



6.5241, 2.6237, 33.7192



0.3018, 0.1236, 1.4578

Inverse Universe

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



34.9646, 22.9309, 49.5954



59.2806, 34.8044, 86.4251



31.6631, 44.3987, 17.4909



10.4701, 10.2366, 12.5659



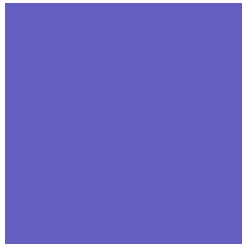
20.2060, 9.7721, 30.0603



0.8812, 0.4255, 1.3417

Previews

White Background



This preview shows how the XYZ color 18.8839, 14.5650, 52.2681 looks on a white 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

Black Background



This preview shows how the XYZ color 18.8839, 14.5650, 52.2681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

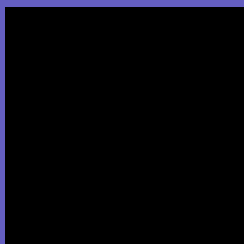
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8839, 14.5650, 52.2681

Background



This preview shows how black text looks on a background with the XYZ color 18.8839, 14.5650, 52.2681.



This preview shows how white text looks on a background with the XYZ color 18.8839, 14.5650,

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

18.8839, 14.5650, 52.2681

Protanopia

16.8762, 14.6686, 57.8190

Deuteranopia

15.0828, 14.6624, 50.7504



Tritanopia

12.4698, 14.6311, 20.2560

Trichromacy



Original Color

18.8839, 14.5650, 52.2681

Protanomaly

17.3202, 14.5031, 55.9193

Deuteranomaly

15.7224, 14.2190, 51.2061

Tritanomaly

14.2485, 14.2360, 29.6006

Monochromacy



Original Color

18.8839, 14.5650, 52.2681

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.0477, 14.2808, 26.0081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8839, 14.5650, 52.2681 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(100, 94, 193)` looks like.

```
.text, #text, p{  
    color:rgb(100, 94, 193)  
}
```

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(100, 94, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 94, 193) }
```

Border

The CSS property to change the border of an element to XYZ 18.8839, 14.5650, 52.2681 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(100, 94, 193) }
```


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

```
.border{ border-color:rgb(100, 94, 193) }
```

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

Here you see how a box with a 4 pixel rgb(100, 94, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 94, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 94, 193);  
box-shadow:4px 4px 4px 4px rgb(100, 94,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8839, 14.5650, 52.2681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 94, 193) }
```

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

```
.background{ background-color: rgb(100, 94,  
193) }
```

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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