

Converting Colors

XYZ(19.7904, 14.4255, 56.3849)

Have a look what the booklet for
XYZ(19.7904, 14.4255, 56.3849)
contains.

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Color

**XYZ(19.7904, 14.4255,
56.3849)**

Conversions

Conversions Part 1

Format	Color
Hex	685AC8
RGB	104, 90, 200
RGB Percent	41%, 35%, 78%
CMY	0.5921, 0.6471, 0.2157
CMYK	0.48, 0.55, 0.00, 0.22
HSL	248°, 50%, 57%
HSV	248°, 55%, 78%
XYZ	19.7904, 14.4255, 56.3849
YIQ	106.7260, -26.9660, 37.1780

Conversions

Conversions Part 2

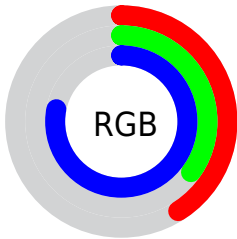
Format	Color
RYB	104, 90, 200
Decimal	6838984
CIELab	44.84, 34.12, -55.72
CIELCh	45, 65.335, 301.486
Yxy	14.4255, 0.2184, 0.1592
Android (android.graphics.Color)	4285029064 (0xFF685AC8)
YUV	106.7260, 45.9841, -2.3907
Hunter-Lab	37.9809, 26.5429, -61.4328

Details

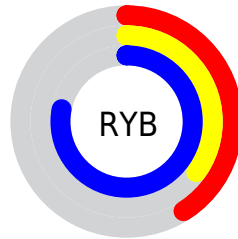
The XYZ color **19.7904, 14.4255, 56.3849** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted purple. A complement of this color would be **42.7489, 52.4857, 17.5507**, and the grayscale version is **13.7823, 14.5000, 15.7905**.

A 20% lighter version of the original color is **42.1260, 33.5532, 98.8639**, and **7.0502, 4.3812, 27.2621** is the 20% darker color. If you saturate the color by 10%, you get **16.5042, 10.5552, 55.8114**, and if you desaturate by 10%, it is **23.9510, 19.4204, 57.1300**.

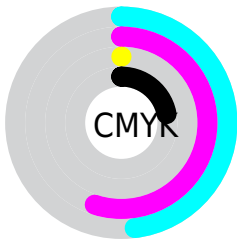
Distribution



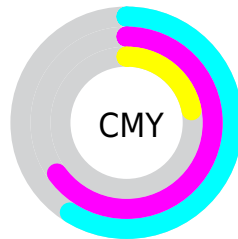
- Red (41%)
- Green (35%)
- Blue (78%)



- Red (41%)
- Yellow (35%)
- Blue (78%)



- Cyan (48%)
- Magenta (55%)
- Yellow (0%)
- Black (22%)



- Cyan (59%)
- Magenta (65%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7904, 14.4255, 56.3849 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 19.7904, 14.4255, 56.3849 by changing the saturation by 10% instead.

■ 19.7904, 14.4255,
56.3849

■ 19.7904, 14.4255,
56.3849

243.6334,
219.8621, 428.5694

■ 12.3502, 8.4172,
40.1055

■ 42.5721, 33.8421,
101.0585

■ 7.0565, 4.3630,
27.3064

■ 58.6443, 48.0192,
130.2899

■ 3.5441, 1.8786,
17.5690

■ 78.3245, 65.6881,
164.6756

■ 1.4476, 0.5355,
10.4748

■ 101.9781, 87.2331,
204.6343

■ 0.2898, 0.0000,
5.6052

■ 129.9704,
113.0385, 250.5845

■ 0.0000, 0.0000,
2.5416

162.6669,

■ 0.0000, 0.0000,

143.4889, 302.9447

0.8621

200.4327,
178.9687, 362.1335

■ 0.0000, 0.0000,
0.0000

■ 19.7904, 14.4255,
56.3849

■ 19.7904, 14.4255,
56.3849

■ 16.5042, 10.5552,
55.8114

■ 23.9510, 19.4204,
57.1300

■ 14.0271, 7.7202,
55.3947

■ 29.0410, 25.6171,
58.0579

■ 12.2875, 5.8194,
55.1195

■ 35.1132, 33.0877,
59.1798

■ 11.1999, 4.7305,
54.9667

■ 42.2159, 41.8981,
60.5060

■ 10.8377, 4.3827,
54.9186

■ 50.3940, 52.1096,
62.0460

■ 59.6899, 63.7797,
63.8086

■ 70.1437, 76.9627,
65.8022

■ 81.7935, 91.7103,
68.0348

■ 87.4254, 96.9502,
68.7493

Harmonies

Analogous

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



13.9785, 14.4255, 67.1092



19.7904, 14.4255, 56.3849



24.8317, 14.4255, 34.2972

Triad

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



19.7904, 14.4255, 56.3849



19.2082, 14.4255, 1.4570



5.8059, 14.4255, 16.4805

Complementary

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



19.7904, 14.4255, 56.3849



42.7489, 52.4857, 17.5507

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.



6.5334, 14.4255, 5.4490



19.7904, 14.4255, 56.3849



13.4469, 14.4255, 0.8384

Square

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



19.7904, 14.4255, 56.3849



24.4389, 14.4255, 4.8236



9.0247, 14.4255, 1.6186



6.6969, 14.4255, 36.5644

Rectangle

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



19.7904, 14.4255, 56.3849



26.5490, 14.4255, 20.4653



9.0247, 14.4255, 1.6186



5.8679, 14.4255, 11.7500

Sweetspot

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



19.7911, 14.4260, 56.3853



71.4793, 70.5357, 104.4551



32.4478, 41.9555, 61.0319



14.7277, 14.3869, 22.2507



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



19.7911, 14.4260, 56.3853



27.6335, 17.1839, 96.4681



28.1496, 18.7349, 56.7764



10.1801, 10.3511, 13.3789



6.9333, 2.8085, 34.9210



0.3708, 0.1549, 1.6555

Inverse Universe

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



36.3384, 23.1370, 49.0034



59.4142, 33.9440, 80.9424



32.0418, 46.9660, 17.0497



11.0227, 10.7925, 13.1031



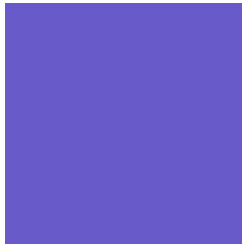
20.0596, 9.7734, 26.5876



0.9665, 0.4694, 1.3467

Previews

White Background



This preview shows how the XYZ color 19.7904, 14.4255, 56.3849 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 19.7904, 14.4255, 56.3849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

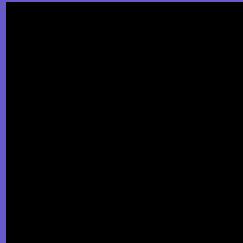
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.7904, 14.4255, 56.3849

Background



This preview shows how black text looks on a background with the XYZ color 19.7904, 14.4255, 56.3849.



This preview shows how white text looks on a background with the XYZ color 19.7904, 14.4255,

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

19.7904, 14.4255, 56.3849

Protanopia

17.2405, 14.5537, 64.8513

Tritanopia

12.4679, 14.4743, 19.9060

Trichromacy



Original Color

19.7904, 14.4255, 56.3849

Protanomaly

17.3837, 14.1302, 61.4857

Tritanomaly

14.3949, 13.9943, 30.3762

Monochromacy



Original Color

19.7904, 14.4255, 56.3849

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.4053, 14.2946, 27.1465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7904, 14.4255, 56.3849 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(104, 90, 200)` looks like.

```
.text, #text, p{  
    color:rgb(104, 90, 200)  
}
```

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(104, 90, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 90, 200) }
```

Border

The CSS property to change the border of an element to XYZ 19.7904, 14.4255, 56.3849 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(104, 90, 200) }
```

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

```
.border{ border-color:rgb(104, 90, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 90, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 90, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 90, 200);  
box-shadow:4px 4px 4px 4px rgb(104, 90,  
200) }
```


Background

The CSS property to change the background color of an element to XYZ 19.7904, 14.4255, 56.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 90, 200) }
```

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

```
.background{ background-color: rgb(104, 90,  
200) }
```

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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