

Converting Colors

XYZ(20.5675, 14.3693, 55.9845)

Have a look what the booklet for
XYZ(20.5675, 14.3693, 55.9845)
contains.

XYZ(20.4466, 14.2898, 55.7134)	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(20.4466, 14.2898,
55.7134)**

Conversions

Conversions Part 1

Format	Color
Hex	7156C7
RGB	113, 86, 199
RGB Percent	44%, 34%, 78%
CMY	0.5568, 0.6627, 0.2196
CMYK	0.43, 0.57, 0.00, 0.22
HSL	254°, 50%, 56%
HSV	254°, 57%, 78%
XYZ	20.4466, 14.2898, 55.7134
YIQ	106.9550, -20.1810, 40.8670

Conversions

Conversions Part 2

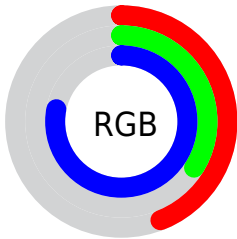
Format	Color
R _{YB}	113, 86, 199
Decimal	7427783
CIE Lab	44.65, 38.19, -55.41
CIE LCh	45, 67.291, 304.577
Yxy	14.2898, 0.2261, 0.1580
Android (android.graphics.Color)	4285617863 (0xFF7156C7)
YUV	106.9550, 45.3782, 5.3015
Hunter-Lab	37.8019, 30.3954, -60.9219

Details

The XYZ color **20.4466, 14.2898, 55.7134** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted purple. A complement of this color would be **39.1162, 50.2895, 16.4496**, and the grayscale version is **13.8456, 14.5666, 15.8630**.

A 20% lighter version of the original color is **43.5732, 33.6574, 98.8077**, and **7.3904, 4.3054, 26.8271** is the 20% darker color. If you saturate the color by 10%, you get **17.2848, 10.6206, 55.1721**, and if you desaturate by 10%, it is **24.3771, 19.0120, 56.4180**.

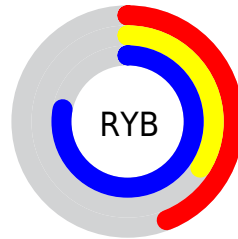
Distribution



Red (44%)

Green (34%)

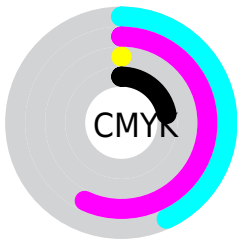
Blue (78%)



Red (44%)

Yellow (34%)

Blue (78%)

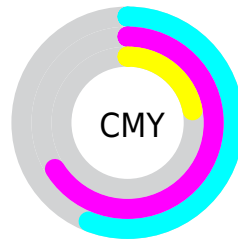


Cyan (43%)

Magenta (57%)

Yellow (0%)

Black (22%)



Cyan (56%)

Magenta (66%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4466, 14.2898, 55.7134 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 20.4466, 14.2898, 55.7134 by changing the saturation by 10% instead.

■ 20.4466, 14.2898,
55.7134

■ 20.4466, 14.2898,
55.7134

247.1104,
219.0263, 425.9684

■ 12.8302, 8.3225,
39.5707

■ 43.6629, 33.6024,
100.0670

■ 7.3879, 4.3020,
26.8928

■ 59.9936, 47.7164,
129.1151

■ 3.7544, 1.8439,
17.2610

■ 79.9598, 65.3148,
163.3020

■ 1.5641, 0.5143,
10.2568

■ 103.9268, 86.7820,
203.0463

■ 0.3689, 0.0000,
5.4617

■ 132.2600,
112.5024, 248.7665

■ 0.0000, 0.0000,
2.4572

165.3248,

■ 0.0000, 0.0000,

142.8603, 300.8813

0.8174

203.4865,
178.2401, 359.8091

■ 0.0000, 0.0000,
0.0000

■ 20.4466, 14.2898,
55.7134

■ 20.4466, 14.2898,
55.7134

■ 17.2848, 10.6206,
55.1721

■ 24.3771, 19.0120,
56.4180

■ 14.8358, 7.9193,
54.7798

■ 29.1228, 24.8604,
57.2967

■ 13.0389, 6.0893,
54.5213

■ 34.7286, 31.9030,
58.3606

■ 11.8165, 5.0039,
54.3762

■ 41.2354, 40.2021,
59.6196

■ 11.5068, 4.7411,
54.3418

■ 48.6816, 49.8157,
61.0827

■ 57.1032, 60.7979,
62.7587

■ 66.5342, 73.2000,
64.6554

■ 77.0071, 87.0703,
66.7807

■ 85.2451, 95.8396,
68.0392

Harmonies

Analogous

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



14.4363, 14.2898, 68.8196



20.4466, 14.2898, 55.7134



25.4284, 14.2898, 32.3461

Triad

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



20.4466, 14.2898, 55.7134



18.6009, 14.2898, 1.1426



5.5799, 14.2898, 18.0814

Complementary

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



20.4466, 14.2898, 55.7134



39.1162, 50.2895, 16.4496

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.



6.1406, 14.2898, 5.8980



20.4466, 14.2898, 55.7134



12.7621, 14.2898, 0.6921

Square

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



20.4466, 14.2898, 55.7134



24.1781, 14.2898, 3.9796



8.4567, 14.2898, 1.6166



6.6469, 14.2898, 39.5913

Rectangle

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



20.4466, 14.2898, 55.7134



26.9286, 14.2898, 18.5744



8.4567, 14.2898, 1.6166



5.5874, 14.2898, 12.8893

Sweetspot

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



20.4472, 14.2903, 55.7138



71.6330, 69.6631, 104.2786



29.0202, 35.8490, 59.4232



14.8105, 14.2421, 22.2184



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.



20.4472, 14.2903, 55.7138



29.2106, 17.4080, 96.4282



29.9705, 19.1997, 56.1594



10.2901, 10.4078, 13.3841



7.4654, 3.0828, 34.9459



0.4207, 0.1806, 1.6578

Inverse Universe

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



34.3275, 21.7765, 41.4230



56.3093, 32.0673, 66.5491



29.3237, 45.2412, 15.9913



10.9705, 10.7716, 12.8282



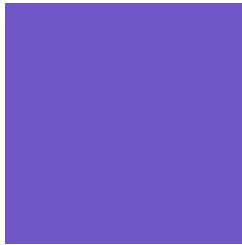
18.7961, 9.2680, 19.9341



0.9169, 0.4496, 1.0857

Previews

White Background



This preview shows how the XYZ color 20.4466, 14.2898, 55.7134 looks on a white background.

Color Contrast Check

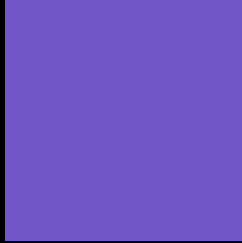
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4466, 14.2898, 55.7134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

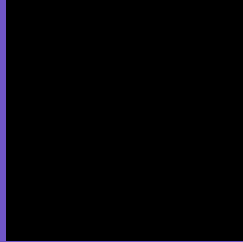
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.4466, 14.2898, 55.7134

Background



This preview shows how black text looks on a background with the XYZ color 20.4466, 14.2898, 55.7134.



This preview shows how white text looks on a background with the XYZ color 20.4466, 14.2898,

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

20.4466, 14.2898, 55.7134

Protanopia

17.2841, 14.5318, 66.8597

Deuteranopia

14.6568, 14.4428, 50.7304



Tritanopia

12.9286, 14.2614, 18.5943

Trichromacy



Original Color

20.4466, 14.2898, 55.7134



Protanomaly

17.0347, 13.6473, 62.7091



Deuteranomaly

15.0973, 13.4360, 52.2498



Tritanomaly

15.0010, 13.8990, 29.0863

Monochromacy



Original Color

20.4466, 14.2898, 55.7134



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

15.5021, 14.0683, 26.7094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4466, 14.2898, 55.7134 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(113, 86, 199)` looks like.

```
.text, #text, p{  
    color:rgb(113, 86, 199)  
}
```

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(113, 86, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 86, 199) }
```

Border

The CSS property to change the border of an element to XYZ 20.4466, 14.2898, 55.7134 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(113, 86, 199) }
```


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

```
.border{ border-color:rgb(113, 86, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 86, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 86, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 86, 199);  
box-shadow:4px 4px 4px 4px rgb(113, 86,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4466, 14.2898, 55.7134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 86, 199) }
```

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

```
.background{ background-color: rgb(113, 86,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor