

Converting Colors

XYZ(13.5228, 11.4773, 20.3161)

Have a look what the booklet for
XYZ(13.5228, 11.4773, 20.3161)
contains.

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Color

**XYZ(13.5850, 11.5304,
20.2485)**

Conversions

Conversions Part 1

Format	Color
Hex	70567B
RGB	112, 86, 123
RGB Percent	44%, 34%, 48%
CMY	0.5608, 0.6627, 0.5176
CMYK	0.09, 0.30, 0.00, 0.52
HSL	282°, 18%, 41%
HSV	282°, 30%, 48%
XYZ	13.5850, 11.5304, 20.2485
YIQ	97.9920, 3.6190, 17.0190

Conversions

Conversions Part 2

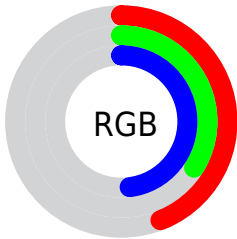
Format	Color
R_{YB}	112, 86, 123
Decimal	7362171
CIE _{Lab}	40.46, 18.06, -16.81
CIE _{LCh}	40, 24.676, 317.049
Yxy	11.5304, 0.2995, 0.2542
Android (android.graphics.Color)	4285552251 (0xFF70567B)
YUV	97.9920, 12.3289, 12.2850
Hunter-Lab	33.9564, 11.9890, -11.5856

Details

The XYZ color **13.5850, 11.5304, 20.2485** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **13.6929, 17.3795, 11.4376**, and the grayscale version is **11.5775, 12.1804, 13.2644**.

A 20% lighter version of the original color is **31.9505, 28.6354, 44.9175**, and **4.1092, 3.1020, 6.8607** is the 20% darker color. If you saturate the color by 10%, you get **12.2304, 9.4978, 19.9277**, and if you desaturate by 10%, it is **15.1283, 13.9118, 20.6270**.

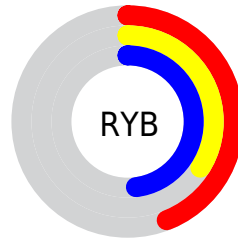
Distribution



Red (44%)

Green (34%)

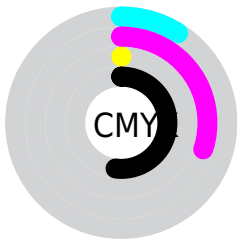
Blue (48%)



Red (44%)

Yellow (34%)

Blue (48%)

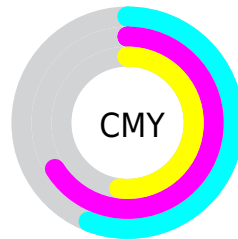


Cyan (9%)

Magenta (30%)

Yellow (0%)

Black (52%)



Cyan (56%)

Magenta (66%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5850, 11.5304, 20.2485 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 13.5850, 11.5304, 20.2485 by changing the saturation by 10% instead.

■ 13.5850, 11.5304,
20.2485

■ 13.5850, 11.5304,
20.2485

208.1963,
201.2711, 265.9058

■ 7.9124, 6.4248,
12.3899

■ 31.9433, 28.6369,
44.6979

■ 4.0903, 3.1051,
6.8841

■ 45.3597, 41.4065,
62.1257

■ 1.7533, 1.1868,
3.3124

■ 62.0880, 57.4997,
83.5805

■ 0.4893, 0.0509,
1.2563

■ 82.4936, 77.3007,
109.4806

■ 0.0000, 0.0000,
0.0255

■ 106.9419,
101.1939, 140.2446

■ 0.0000, 0.0000,
0.0000

135.7982,

129.5638, 176.2912

169.4279,
162.7947, 218.0387

■ 13.5850, 11.5304,
20.2485

■ 13.5850, 11.5304,
20.2485

■ 12.2304, 9.4978,
19.9277

■ 15.1283, 13.9118,
20.6270

■ 11.0545, 7.7950,
19.6611

■ 16.8674, 16.6567,
21.0652

■ 10.0479, 6.4037,
19.4455

■ 18.8104, 19.7808,
21.5658

■ 9.2002, 5.3029,
19.2777

■ 20.9647, 23.2983,
22.1312

■ 8.4993, 4.4689,
19.1537

■ 23.3371, 27.2228,
22.7636

7.9313, 3.8746,
19.0689

25.9343, 31.5671,
23.4653

7.4527, 3.4290,
19.0082

28.7625, 36.3436,
24.2382

31.8278, 41.5641,
25.0843

35.1360, 47.2399,
26.0054

Harmonies

Analogous

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



11.9661, 11.5304, 24.0737



13.5850, 11.5304, 20.2485



14.5399, 11.5304, 14.8183

Triad

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



13.5850, 11.5304, 20.2485



11.7236, 11.5304, 5.3593



8.0710, 11.5304, 15.5672

Complementary

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



13.5850, 11.5304, 20.2485



13.6929, 17.3795, 11.4376

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.



8.0208, 11.5304, 10.5341



13.5850, 11.5304, 20.2485



10.0106, 11.5304, 5.4601

Square

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



13.5850, 11.5304, 20.2485



13.3914, 11.5304, 6.7828



8.6958, 11.5304, 7.1081



8.8411, 11.5304, 20.9198

Rectangle

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



13.5850, 11.5304, 20.2485



14.6120, 11.5304, 11.4190



8.6958, 11.5304, 7.1081



7.9725, 11.5304, 13.7632

Sweetspot

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



13.5854, 11.5309, 20.2488



30.4890, 30.2808, 37.7944



11.6973, 11.9769, 20.4344



7.0845, 6.9783, 8.8766



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.5854, 11.5309, 20.2488



22.6408, 18.1051, 35.8580



14.6257, 12.1187, 17.9699



4.0440, 4.0205, 5.0061



7.7041, 3.5444, 19.6634



35.8631, 16.4501, 93.7548

Inverse Universe

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



13.6543, 11.7302, 12.8545



22.8503, 18.5610, 20.1511



12.9147, 16.9421, 13.0391



4.0428, 4.0328, 4.4231



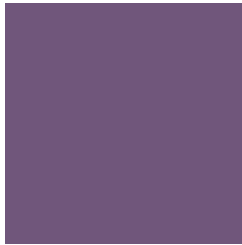
8.7864, 4.4907, 2.1663



41.5800, 21.2884, 8.5845

Previews

White Background



This preview shows how the XYZ color 13.5850, 11.5304, 20.2485 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 13.5850, 11.5304, 20.2485 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 13.5850, 11.5304, 20.2485

Background



This preview shows how black text looks on a background with the XYZ color 13.5850, 11.5304, 20.2485.



This preview shows how white text looks on a background with the XYZ color 13.5850, 11.5304,

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

13.5850, 11.5304, 20.2485

Protanopia

11.8029, 11.5688, 22.3798

Deuteranopia

11.7683, 11.6100, 19.7099



Tritanopia

12.1300, 11.5522, 13.1457

Trichromacy



Original Color

13.5850, 11.5304, 20.2485

Protanomaly

12.2912, 11.4474, 21.6404

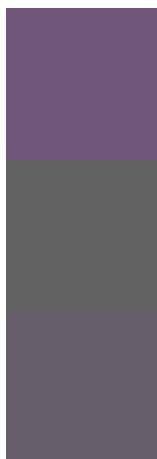
Deuteranomaly

12.3995, 11.5400, 19.9863

Tritanomaly

12.5329, 11.4575, 15.4609

Monochromacy



Original Color

13.5850, 11.5304, 20.2485

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.2501, 11.9505, 15.5709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5850, 11.5304, 20.2485 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(112, 86, 123)` looks like.

```
.text, #text, p{  
    color:rgb(112, 86, 123)  
}
```

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(112, 86, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 86, 123) }
```

Border

The CSS property to change the border of an element to XYZ 13.5850, 11.5304, 20.2485 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(112, 86, 123) }
```


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

```
.border{ border-color:rgb(112, 86, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 86, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 86, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 86, 123); box-shadow:4px 4px 4px 4px rgb(112, 86, 123) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5850, 11.5304, 20.2485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 86, 123) }
```

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

```
.background{ background-color: rgb(112, 86,  
123) }
```

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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