

Converting Colors

XYZ(12.8734, 11.0276, 20.8353)

Have a look what the booklet for
XYZ(12.8734, 11.0276, 20.8353)
contains.

XYZ(12.8940, 11.0418, 20.8537)	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(12.8940, 11.0418,
20.8537)**

Conversions

Conversions Part 1

Format	Color
Hex	6A557D
RGB	106, 85, 125
RGB Percent	42%, 33%, 49%
CMY	0.5843, 0.6667, 0.5098
CMYK	0.15, 0.32, 0.00, 0.51
HSL	271°, 19%, 41%
HSV	271°, 32%, 49%
XYZ	12.8940, 11.0418, 20.8537
YIQ	95.8390, -0.3240, 16.8920

Conversions

Conversions Part 2

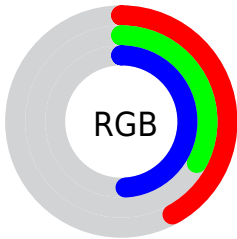
Format	Color
R_{YB}	106, 85, 125
Decimal	6968701
CIE _{Lab}	39.65, 17.04, -19.33
CIE _{LCh}	40, 25.772, 311.389
Yxy	11.0418, 0.2879, 0.2465
Android (android.graphics.Color)	4285158781 (0xFF6A557D)
YUV	95.8390, 14.3764, 8.9112
Hunter-Lab	33.2292, 11.1126, -13.9483

Details

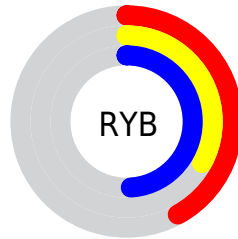
The XYZ color **12.8940, 11.0418, 20.8537** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **14.6825, 18.2664, 11.3467**, and the grayscale version is **11.0458, 11.6211, 12.6554**.

A 20% lighter version of the original color is **30.8004, 27.8114, 45.8643**, and **3.8082, 2.9389, 7.2040** is the 20% darker color. If you saturate the color by 10%, you get **11.3142, 8.8936, 20.5225**, and if you desaturate by 10%, it is **14.6972, 13.5639, 21.2456**.

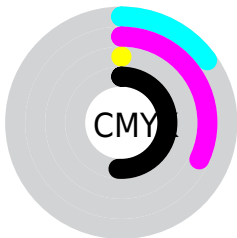
Distribution



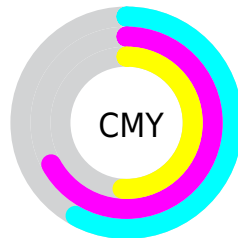
- Red (42%)
- Green (33%)
- Blue (49%)



- Red (42%)
- Yellow (33%)
- Blue (49%)



- Cyan (15%)
- Magenta (32%)
- Yellow (0%)
- Black (51%)



- Cyan (58%)
- Magenta (67%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8940, 11.0418, 20.8537 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 12.8940, 11.0418, 20.8537 by changing the saturation by 10% instead.

■ 12.8940, 11.0418,
20.8537

■ 12.8940, 11.0418,
20.8537

203.8886,
197.9541, 269.2554

■ 7.4321, 6.0950,
12.8269

■ 30.7162, 27.7374,
45.7215

■ 3.7825, 2.9029,
7.1801

■ 43.8071, 40.2550,
63.3997

■ 1.5798, 1.0813,
3.4949

■ 60.1718, 56.0650,
85.1320

■ 0.3792, 0.0000,
1.3525

■ 80.1756, 75.5517,
111.3371

■ 0.0000, 0.0000,
0.1043

■ 104.1838, 99.0996,
142.4334

■ 0.0000, 0.0000,
0.0000

132.5618,

127.0930, 178.8395

165.6749,
159.9164, 220.9740

■ 12.8940, 11.0418,
20.8537

■ 12.8940, 11.0418,
20.8537

■ 11.3142, 8.8936,
20.5225

■ 14.6972, 13.5639,
21.2456

■ 9.9467, 7.0990,
20.2482

■ 16.7323, 16.4759,
21.7005

■ 8.7808, 5.6380,
20.0276

■ 19.0084, 19.7946,
22.2211

■ 7.8043, 4.4880,
19.8571

■ 21.5338, 23.5355,
22.8100

■ 7.0038, 3.6232,
19.7324

■ 24.3166, 27.7129,
23.4697

6.3633, 3.0139,
19.6485

27.3643, 32.3409,
24.2024

5.9233, 2.6259,
19.5969

30.6840, 37.4327,
25.0102

34.2829, 43.0009,
25.8953

38.1676, 49.0577,
26.8596

Harmonies

Analogous

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



11.1771, 11.0418, 24.2396



12.8940, 11.0418, 20.8537



14.0381, 11.0418, 15.3870

Triad

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



12.8940, 11.0418, 20.8537



11.6119, 11.0418, 4.9803



7.5159, 11.0418, 14.0388

Complementary

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



12.8940, 11.0418, 20.8537



14.6825, 18.2664, 11.3467

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.



7.6045, 11.0418, 9.1883



12.8940, 11.0418, 20.8537



9.8410, 11.0418, 4.8069

Square

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



12.8940, 11.0418, 20.8537



13.2428, 11.0418, 6.6877



8.4135, 11.0418, 6.1208



8.1562, 11.0418, 19.6325

Rectangle

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



12.8940, 11.0418, 20.8537



14.2528, 11.0418, 11.7894



8.4135, 11.0418, 6.1208



7.4635, 11.0418, 12.2589

Sweetspot

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



12.8944, 11.0423, 20.8539



30.6476, 30.4946, 39.0151



12.4323, 13.3802, 21.3296



6.8692, 6.7887, 8.8514



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.



12.8944, 11.0423, 20.8539



21.0909, 17.0418, 36.9222



15.3654, 12.3210, 20.7480



4.3074, 4.3141, 5.4189



6.1739, 2.7365, 20.4527



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.2049, 11.8568, 14.6370



23.8893, 18.7798, 23.7114



12.7466, 17.2653, 11.3950



4.4062, 4.3756, 4.9434



9.6576, 4.8827, 4.7868



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.8940, 11.0418, 20.8537 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 12.8940, 11.0418, 20.8537 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 12.8940, 11.0418, 20.8537

Background



This preview shows how black text looks on a background with the XYZ color 12.8940, 11.0418, 20.8537.

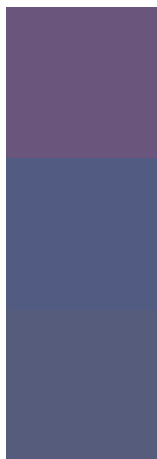


This preview shows how white text looks on a background with the XYZ color 12.8940, 11.0418,

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

12.8940, 11.0418, 20.8537

Protanopia

11.4036, 11.0868, 23.0117

Deuteranopia

11.3030, 11.0880, 20.6132



Tritanopia

11.3403, 11.0190, 13.0844

Trichromacy



Original Color

12.8940, 11.0418, 20.8537

Protanomaly

11.8492, 10.9539, 22.2587

Deuteranomaly

11.7247, 10.9271, 20.5600

Tritanomaly

11.7900, 10.9457, 15.6787

Monochromacy



Original Color

12.8940, 11.0418, 20.8537

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.7365, 11.4252, 15.4966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8940, 11.0418, 20.8537 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(106, 85, 125)` looks like.

```
.text, #text, p{  
    color:rgb(106, 85, 125)  
}
```

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(106, 85, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 85, 125) }
```

Border

The CSS property to change the border of an element to XYZ 12.8940, 11.0418, 20.8537 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(106, 85, 125) }
```


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

```
.border{ border-color:rgb(106, 85, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 85, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 85, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 85, 125);  
box-shadow:4px 4px 4px 4px rgb(106, 85,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8940, 11.0418, 20.8537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 85, 125) }
```

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

```
.background{ background-color: rgb(106, 85,  
125) }
```

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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