

Converting Colors

XYZ(13.4583, 12.4481, 20.1059)

Have a look what the booklet for
XYZ(13.4583, 12.4481, 20.1059)
contains.

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Color

**XYZ(13.4594, 12.4747,
20.1108)**

Conversions

Conversions Part 1

Format	Color
Hex	6A5E7A
RGB	106, 94, 122
RGB Percent	42%, 37%, 48%
CMY	0.5843, 0.6314, 0.5216
CMYK	0.13, 0.23, 0.00, 0.52
HSL	266°, 13%, 42%
HSV	266°, 23%, 48%
XYZ	13.4594, 12.4747, 20.1108
YIQ	100.7800, -1.8360, 11.2520

Conversions

Conversions Part 2

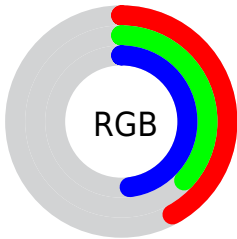
Format	Color
R_{YB}	106, 94, 122
Decimal	6971002
CIE _{Lab}	41.96, 10.78, -13.97
CIE _{LCh}	42, 17.645, 307.672
Yxy	12.4747, 0.2923, 0.2709
Android (android.graphics.Color)	4285161082 (0xFF6A5E7A)
YUV	100.7800, 10.4615, 4.5779
Hunter-Lab	35.3195, 6.2127, -9.0358

Details

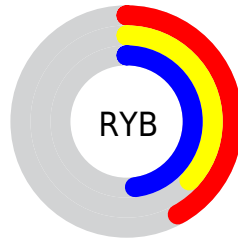
The XYZ color **13.4594, 12.4747, 20.1108** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.4107, 18.0425, 13.2605**, and the grayscale version is **12.2875, 12.9274, 14.0780**.

A 20% lighter version of the original color is **31.7138, 30.2716, 44.2159**, and **4.0045, 3.4945, 6.7668** is the 20% darker color. If you saturate the color by 10%, you get **11.6641, 10.0643, 19.7404**, and if you desaturate by 10%, it is **15.4944, 15.2639, 20.5421**.

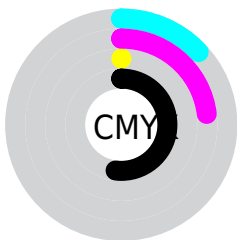
Distribution



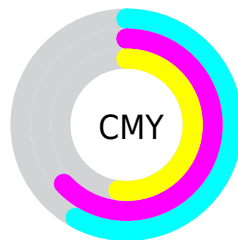
- Red (42%)
- Green (37%)
- Blue (48%)



- Red (42%)
- Yellow (37%)
- Blue (48%)



- Cyan (13%)
- Magenta (23%)
- Yellow (0%)
- Black (52%)



- Cyan (58%)
- Magenta (63%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4594, 12.4747, 20.1108 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 13.4594, 12.4747, 20.1108 by changing the saturation by 10% instead.

■ 13.4594, 12.4747,
20.1108

■ 13.4594, 12.4747,
20.1108

207.4199,
207.5231, 265.1384

■ 7.8248, 7.0678,
12.2907

■ 31.7210, 30.3568,
44.4643

■ 4.0339, 3.5046,
6.8171

■ 45.0788, 43.6008,
61.8348

■ 1.7213, 1.4005,
3.2712

■ 61.7416, 60.2259,
83.2258

■ 0.4696, 0.2171,
1.2348

■ 82.0750, 80.6167,
109.0560

■ 0.0000, 0.0000,
0.0074

106.4441,
105.1574, 139.7438

■ 0.0000, 0.0000,
0.0000

135.2144,

134.2324, 175.7077

168.7512,
168.2262, 217.3664

■ 13.4594, 12.4747,
20.1108

■ 13.4594, 12.4747,
20.1108

■ 11.6641, 10.0643,
19.7404

■ 15.4944, 15.2639,
20.5421

■ 10.0977, 8.0142,
19.4272

■ 17.7768, 18.4461,
21.0360

■ 8.7501, 6.3067,
19.1687

■ 20.3158, 22.0368,
21.5953

■ 7.6103, 4.9219,
18.9614

■ 23.1194, 26.0500,
22.2222

■ 6.6658, 3.8380,
18.8020

■ 26.1953, 30.4991,
22.9188

■ 5.9029, 3.0300,
18.6863

■ 29.5510, 35.3971,
23.6873

■ 5.3050, 2.4676,
18.6092

■ 33.1935, 40.7561,
24.5298

■ 4.9437, 2.1428,
18.5656

■ 37.1299, 46.5880,
25.4480

■ 41.3666, 52.9042,
26.4438

Harmonies

Analogous

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



12.1954, 12.4747, 22.0339



13.4594, 12.4747, 20.1108



14.3359, 12.4747, 16.5037

Triad

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



13.4594, 12.4747, 20.1108



12.8371, 12.4747, 7.9552



9.5373, 12.4747, 14.5662

Complementary

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



13.4594, 12.4747, 20.1108



15.4107, 18.0425, 13.2605

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.



9.6814, 12.4747, 11.0287



13.4594, 12.4747, 20.1108



11.5246, 12.4747, 7.6273

Square

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



13.4594, 12.4747, 20.1108



13.9586, 12.4747, 9.6431



10.3868, 12.4747, 8.6467



9.9774, 12.4747, 18.4715

Rectangle

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



13.4594, 12.4747, 20.1108



14.5483, 12.4747, 13.8772



10.3868, 12.4747, 8.6467



9.5196, 12.4747, 13.2927

Sweetspot

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



13.4598, 12.4752, 20.1111



29.5260, 30.0036, 36.6280



13.7413, 15.0092, 20.5853



6.7136, 6.8079, 8.3669



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.4598, 12.4752, 20.1111



21.8204, 19.4394, 34.9950



15.2155, 13.3803, 20.1932



3.9454, 3.9697, 5.0015



5.1957, 2.2512, 19.5460



23.8495, 10.2569, 93.1926

Inverse Universe

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



14.8436, 13.2693, 16.5312



24.7882, 21.1439, 27.2501



13.8393, 17.2324, 13.1870



4.0853, 4.0498, 4.6468



9.6004, 4.8163, 6.4527



45.3621, 22.8012, 28.5005

Previews

White Background



This preview shows how the XYZ color 13.4594, 12.4747, 20.1108 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 13.4594, 12.4747, 20.1108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

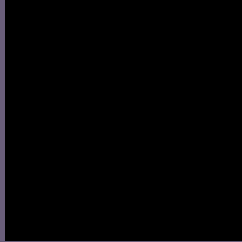
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4594, 12.4747, 20.1108

Background



This preview shows how black text looks on a background with the XYZ color 13.4594, 12.4747, 20.1108.



This preview shows how white text looks on a background with the XYZ color 13.4594, 12.4747,

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

13.4594, 12.4747, 20.1108

Protanopia

12.4830, 12.4913, 21.1552

Deuteranopia

12.6556, 12.4713, 19.8293



Tritanopia

12.4180, 12.4529, 15.1137

Trichromacy



Original Color

13.4594, 12.4747, 20.1108

Protanomaly

12.8425, 12.5460, 20.8135

Deuteranomaly

12.8896, 12.4555, 19.8140

Tritanomaly

12.7610, 12.4565, 16.7707

Monochromacy



Original Color

13.4594, 12.4747, 20.1108

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.7215, 12.7231, 16.2533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4594, 12.4747, 20.1108 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, 94, 122)` looks like.

```
.text, #text, p{  
    color:rgb(106, 94, 122)  
}
```

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, 94, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 94, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.4594, 12.4747, 20.1108 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, 94, 122) }
```


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

```
.border{ border-color:rgb(106, 94, 122) }
```

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

Here you see how a box with a 4 pixel rgb(106, 94, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 94, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 94, 122);  
box-shadow:4px 4px 4px 4px rgb(106, 94,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4594, 12.4747, 20.1108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 94, 122) }
```

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

```
.background{ background-color: rgb(106, 94,  
122) }
```

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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