

Converting Colors

XYZ(12.7749, 12.1707, 20.8380)

Have a look what the booklet for
XYZ(12.7749, 12.1707, 20.8380)
contains.

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Color

**XYZ(12.6778, 12.0573,
20.7279)**

Conversions

Conversions Part 1

Format	Color
Hex	625E7C
RGB	98, 94, 124
RGB Percent	38%, 37%, 49%
CMY	0.6157, 0.6314, 0.5137
CMYK	0.21, 0.24, 0.00, 0.51
HSL	248°, 14%, 43%
HSV	248°, 24%, 49%
XYZ	12.6778, 12.0573, 20.7279
YIQ	98.6160, -7.2460, 10.1780

Conversions

Conversions Part 2

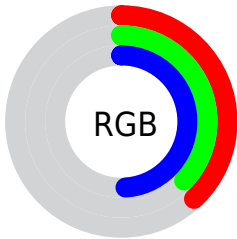
Format	Color
R_{YB}	98, 94, 124
Decimal	6446716
CIE Lab	41.31, 8.46, -16.25
CIE LCh	41, 18.316, 297.496
Yxy	12.0573, 0.2789, 0.2652
Android (android.graphics.Color)	4284636796 (0xFF625E7C)
YUV	98.6160, 12.5143, -0.5402
Hunter-Lab	34.7236, 4.4051, -11.0860

Details

The XYZ color **12.6778, 12.0573, 20.7279** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **16.9741, 19.2168, 13.4048**, and the grayscale version is **11.7345, 12.3456, 13.4443**.

A 20% lighter version of the original color is **30.3035, 29.5104, 45.6939**, and **3.6922, 3.3257, 7.1039** is the 20% darker color. If you saturate the color by 10%, you get **10.5798, 9.4685, 20.3390**, and if you desaturate by 10%, it is **15.1095, 15.0817, 21.1837**.

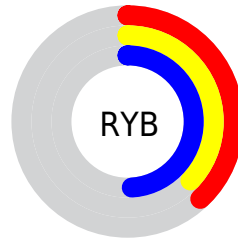
Distribution



Red (38%)

Green (37%)

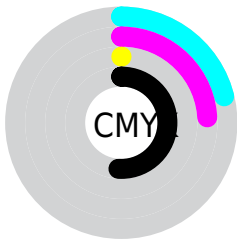
Blue (49%)



Red (38%)

Yellow (37%)

Blue (49%)

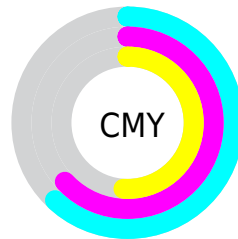


Cyan (21%)

Magenta (24%)

Yellow (0%)

Black (51%)



Cyan (62%)

Magenta (63%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6778, 12.0573, 20.7279 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 12.6778, 12.0573, 20.7279 by changing the saturation by 10% instead.

■ 12.6778, 12.0573,
20.7279

■ 12.6778, 12.0573,
20.7279

202.5219,
204.7843, 268.5623

■ 7.2825, 6.7827,
12.7359

■ 30.3300, 29.5994,
45.5091

■ 3.6873, 3.3266,
7.1184

■ 43.3176, 42.6357,
63.1355

■ 1.5268, 1.3045,
3.4567

■ 59.5667, 59.0281,
84.8104

■ 0.3440, 0.1447,
1.3323

■ 79.4426, 79.1609,
110.9524

■ 0.0000, 0.0000,
0.0880

103.3108,
103.4185, 141.9801

■ 0.0000, 0.0000,
0.0000

131.5364,

132.1854, 178.3119

164.4850,
165.8458, 220.3665

■ 12.6778, 12.0573,
20.7279

■ 12.6778, 12.0573,
20.7279

■ 10.5798, 9.4685,
20.3390

■ 15.1095, 15.0817,
21.1837

■ 8.7997, 7.2938,
20.0130

■ 17.8874, 18.5590,
21.7085

■ 7.3222, 5.5119,
19.7470

■ 21.0248, 22.5073,
22.3052

■ 6.1302, 4.0993,
19.5372

■ 24.5339, 26.9433,
22.9765

■ 5.2049, 3.0298,
19.3795

■ 28.4265, 31.8830,
23.7248

■ 4.5253, 2.2736,
19.2693

■ 32.7138, 37.3414,
24.5524

■ 4.0645, 1.7911,
19.2005

■ 37.4063, 43.3332,
25.4616

■ 3.8610, 1.5702,
19.1686

■ 42.5145, 49.8723,
26.4546

■ 48.0482, 56.9721,
27.5333

Harmonies

Analogous

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



11.3491, 12.0573, 21.8565



12.6778, 12.0573, 20.7279



13.7473, 12.0573, 17.4554

Triad

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



12.6778, 12.0573, 20.7279



12.8853, 12.0573, 7.8835



9.0973, 12.0573, 12.8119

Complementary

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



12.6778, 12.0573, 20.7279



16.9741, 19.2168, 13.4048

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.



9.4418, 12.0573, 9.5829



12.6778, 12.0573, 20.7279



11.5719, 12.0573, 7.1018

Square

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



12.6778, 12.0573, 20.7279



13.8734, 12.0573, 10.0379



10.3230, 12.0573, 7.6586



9.3443, 12.0573, 16.7957

Rectangle

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



12.6778, 12.0573, 20.7279



14.1334, 12.0573, 14.7734



10.3230, 12.0573, 7.6586



9.1471, 12.0573, 11.6102

Sweetspot

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



12.6782, 12.0578, 20.7282



29.9584, 30.7541, 37.9138



15.0313, 17.3888, 21.6331



7.0047, 7.1792, 8.9196



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.



12.6782, 12.0578, 20.7282



20.2100, 18.6220, 36.0858



14.3871, 12.9388, 20.8081



3.8428, 3.9168, 4.9967



3.9236, 1.5954, 19.4864



18.2905, 7.3911, 92.9324

Inverse Universe

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



15.7054, 13.6470, 19.5761



26.5211, 21.9370, 33.6003



15.1130, 18.2574, 13.3177



4.1326, 4.0688, 4.8959



11.1725, 5.4451, 14.7311



53.0671, 25.8832, 69.0745

Previews

White Background



This preview shows how the XYZ color 12.6778, 12.0573, 20.7279 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 12.6778, 12.0573, 20.7279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

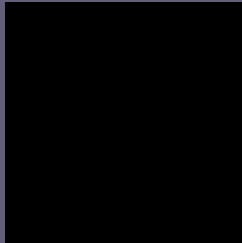
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6778, 12.0573, 20.7279

Background



This preview shows how black text looks on a background with the XYZ color 12.6778, 12.0573, 20.7279.



This preview shows how white text looks on a background with the XYZ color 12.6778, 12.0573,

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

12.6778, 12.0573, 20.7279

Protanopia

12.1652, 12.0458, 21.4226

Deuteranopia

12.3352, 12.1481, 20.7635



Tritanopia

11.5438, 12.0022, 15.0728

Trichromacy



Original Color

12.6778, 12.0573, 20.7279

Protanomaly

12.3081, 11.9922, 21.0681

Deuteranomaly

12.4496, 12.0726, 20.7429

Tritanomaly

11.9314, 12.0224, 17.0209

Monochromacy



Original Color

12.6778, 12.0573, 20.7279

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1271, 12.2847, 15.9194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6778, 12.0573, 20.7279 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(98, 94, 124) looks like.

```
.text, #text, p{  
    color:rgb(98, 94, 124)  
}
```

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(98, 94, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 94, 124) }
```

Border

The CSS property to change the border of an element to XYZ 12.6778, 12.0573, 20.7279 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(98, 94, 124) }
```


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

```
.border{ border-color:rgb(98, 94, 124) }
```

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

Here you see how a box with a 4 pixel rgb(98, 94, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 94, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 94, 124);  
box-shadow:4px 4px 4px 4px rgb(98, 94,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6778, 12.0573, 20.7279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 94, 124) }
```

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

```
.background{ background-color: rgb(98, 94,  
124) }
```

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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