

Converting Colors

XYZ(13.3751, 12.9604, 20.8000)

Have a look what the booklet for
XYZ(13.3751, 12.9604, 20.8000)
contains.

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Color

**XYZ(13.3726, 12.9573,
20.8650)**

Conversions

Conversions Part 1

Format	Color
Hex	65627C
RGB	101, 98, 124
RGB Percent	40%, 38%, 49%
CMY	0.6039, 0.6157, 0.5137
CMYK	0.19, 0.21, 0.00, 0.51
HSL	247°, 12%, 44%
HSV	247°, 21%, 49%
XYZ	13.3726, 12.9573, 20.8650
YIQ	101.8610, -6.5580, 8.7220

Conversions

Conversions Part 2

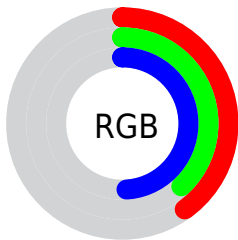
Format	Color
R_{YB}	101, 98, 124
Decimal	6644348
CIE _{Lab}	42.70, 7.04, -14.10
CIE _{LCh}	43, 15.761, 296.536
Yxy	12.9573, 0.2833, 0.2745
Android (android.graphics.Color)	4284834428 (0xFF65627C)
YUV	101.8610, 10.9145, -0.7551
Hunter-Lab	35.9962, 3.3193, -9.1697

Details

The XYZ color **13.3726, 12.9573, 20.8650** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.2979, 19.3624, 14.3815**, and the grayscale version is **12.5670, 13.2215, 14.3982**.

A 20% lighter version of the original color is **31.6322, 31.3446, 45.9779**, and **4.0193, 3.7483, 7.1683** is the 20% darker color. If you saturate the color by 10%, you get **11.1538, 10.2227, 20.4543**, and if you desaturate by 10%, it is **15.9360, 16.1370, 21.3438**.

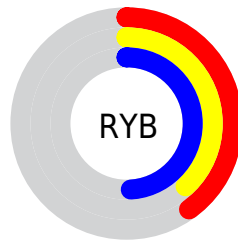
Distribution



Red (40%)

Green (38%)

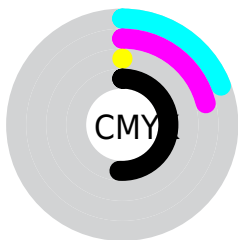
Blue (49%)



Red (40%)

Yellow (38%)

Blue (49%)

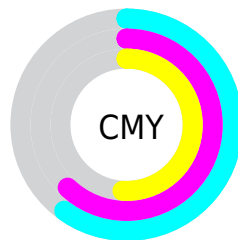


Cyan (19%)

Magenta (21%)

Yellow (0%)

Black (51%)



Cyan (60%)

Magenta (62%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3726, 12.9573, 20.8650 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 13.3726, 12.9573, 20.8650 by changing the saturation by 10% instead.

■ 13.3726, 12.9573,
20.8650

■ 13.3726, 12.9573,
20.8650

206.8817,
210.6438, 269.3176

■ 7.7644, 7.3991,
12.8351

■ 31.5672, 31.2271,
45.7406

■ 3.9951, 3.7130,
7.1857

■ 44.8843, 44.7074,
63.4234

■ 1.6994, 1.5143,
3.4983

■ 61.5018, 61.5974,
85.1609

■ 0.4559, 0.2988,
1.3544

■ 81.7850, 82.2812,
111.3716

■ 0.0000, 0.0000,
0.1057

106.0992,
107.1434, 142.4741

■ 0.0000, 0.0000,
0.0000

134.8098,

136.5683, 178.8869

168.2822,
170.9403, 221.0285

■ 13.3726, 12.9573,
20.8650

■ 13.3726, 12.9573,
20.8650

■ 11.1538, 10.2227,
20.4543

■ 15.9360, 16.1370,
21.3438

■ 9.2636, 7.9119,
20.1079

■ 18.8565, 19.7788,
21.8929

■ 7.6867, 6.0039,
19.8228

■ 22.1476, 23.9007,
22.5150

■ 6.4059, 4.4757,
19.5953

■ 25.8217, 28.5195,
23.2129

■ 5.4027, 3.3015,
19.4215

■ 29.8907, 33.6507,
23.9888

■ 4.6560, 2.4528,
19.2970

■ 34.3657, 39.3097,
24.8453

■ 4.1419, 1.8961,
19.2167

■ 39.2576, 45.5108,
25.7844

■ 3.8240, 1.5511,
19.1669

■ 44.5770, 52.2680,
26.8083

■ 50.3338, 59.5947,
27.9191

Harmonies

Analogous

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



12.1770, 12.9573, 21.7633



13.3726, 12.9573, 20.8650



14.3370, 12.9573, 18.0639

Triad

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



13.3726, 12.9573, 20.8650



13.6287, 12.9573, 9.2931



10.1581, 12.9573, 13.7137

Complementary

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



13.3726, 12.9573, 20.8650



17.2979, 19.3624, 14.3815

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.



10.4936, 12.9573, 10.7769



13.3726, 12.9573, 20.8650



12.4551, 12.9573, 8.4988

Square

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



13.3726, 12.9573, 20.8650



14.4915, 12.9573, 11.3637



11.3157, 12.9573, 8.9948



10.3691, 12.9573, 17.2626

Rectangle

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



13.3726, 12.9573, 20.8650



14.6921, 12.9573, 15.6994



11.3157, 12.9573, 8.9948



10.2101, 12.9573, 12.6285

Sweetspot

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



13.3730, 12.9578, 20.8653



30.4425, 31.3849, 38.0100



15.5616, 17.8244, 21.6893



7.1087, 7.3156, 8.9405



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.



13.3730, 12.9578, 20.8653



21.6525, 20.4804, 36.3685



14.8937, 13.7418, 20.9365



3.8366, 3.9137, 4.9964



3.8861, 1.5761, 19.4847



18.1522, 7.3198, 92.9259

Inverse Universe

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



16.1315, 14.4015, 20.0193



27.4050, 23.4921, 34.5502



15.6458, 18.5108, 14.3042



4.1355, 4.0699, 4.9114



11.2939, 5.4937, 15.3707



53.6718, 26.1251, 72.2590

Previews

White Background



This preview shows how the XYZ color 13.3726, 12.9573, 20.8650 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 13.3726, 12.9573, 20.8650 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 13.3726, 12.9573, 20.8650

Background



This preview shows how black text looks on a background with the XYZ color 13.3726, 12.9573, 20.8650.



This preview shows how white text looks on a background with the XYZ color 13.3726, 12.9573,

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

13.3726, 12.9573, 20.8650

Protanopia

12.9782, 13.0279, 21.2327

Deuteranopia

13.2455, 13.0316, 20.8860



Tritanopia

12.4510, 13.0082, 16.3226

Trichromacy



Original Color

13.3726, 12.9573, 20.8650

Protanomaly

13.0933, 12.9457, 21.2107

Deuteranomaly

13.3555, 13.0882, 20.8912

Tritanomaly

12.7400, 12.9819, 17.7539

Monochromacy



Original Color

13.3726, 12.9573, 20.8650

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.9476, 13.2579, 16.6285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3726, 12.9573, 20.8650 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(101, 98, 124)` looks like.

```
.text, #text, p{  
    color:rgb(101, 98, 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(101, 98, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 98, 124) }
```

Border

The CSS property to change the border of an element to XYZ 13.3726, 12.9573, 20.8650 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(101, 98, 124) }
```


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

```
.border{ border-color:rgb(101, 98, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 98, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 98, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 98, 124);  
box-shadow:4px 4px 4px 4px rgb(101, 98,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3726, 12.9573, 20.8650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 98, 124) }
```

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

```
.background{ background-color: rgb(101, 98,  
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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