

Converting Colors

XYZ(13.3632, 12.4213, 23.2728)

Have a look what the booklet for
XYZ(13.3632, 12.4213, 23.2728)
contains.

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Color

**XYZ(13.3345, 12.4758,
23.1780)**

Conversions

Conversions Part 1

Format	Color
Hex	635F83
RGB	99, 95, 131
RGB Percent	39%, 37%, 51%
CMY	0.6118, 0.6274, 0.4863
CMYK	0.24, 0.27, 0.00, 0.49
HSL	247°, 16%, 44%
HSV	247°, 27%, 51%
XYZ	13.3345, 12.4758, 23.1780
YIQ	100.3000, -9.1720, 12.0440

Conversions

Conversions Part 2

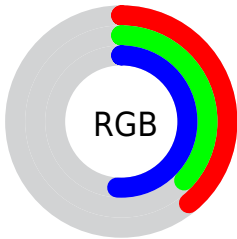
Format	Color
R_{YB}	99, 95, 131
Decimal	6512515
CIE _{Lab}	41.96, 9.97, -19.48
CIE _{LCh}	42, 21.884, 297.095
Yxy	12.4758, 0.2722, 0.2547
Android (android.graphics.Color)	4284702595 (0xFF635F83)
YUV	100.3000, 15.1351, -1.1401
Hunter-Lab	35.3211, 5.5758, -14.1818

Details

The XYZ color **13.3345, 12.4758, 23.1780** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **18.9348, 21.5712, 13.9928**, and the grayscale version is **12.1543, 12.7872, 13.9253**.

A 20% lighter version of the original color is **31.3548, 30.1955, 49.5231**, and **3.9488, 3.4945, 8.2510** is the 20% darker color. If you saturate the color by 10%, you get **11.0705, 9.7020, 22.7621**, and if you desaturate by 10%, it is **15.9813, 15.7421, 23.6692**.

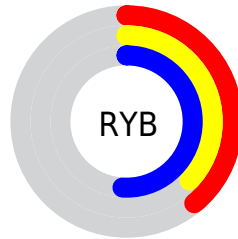
Distribution



Red (39%)

Green (37%)

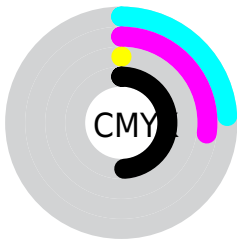
Blue (51%)



Red (39%)

Yellow (37%)

Blue (51%)

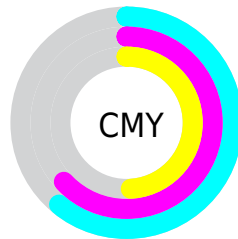


Cyan (24%)

Magenta (27%)

Yellow (0%)

Black (49%)



Cyan (61%)

Magenta (63%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3345, 12.4758, 23.1780 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 13.3345, 12.4758, 23.1780 by changing the saturation by 10% instead.

■ 13.3345, 12.4758,
23.1780

■ 13.3345, 12.4758,
23.1780

206.6450,
207.5303, 281.7894

■ 7.7379, 7.0686,
14.5185

■ 31.4997, 30.3588,
49.6123

■ 3.9781, 3.5050,
8.3393

■ 44.7989, 43.6033,
68.2242

■ 1.6897, 1.4007,
4.2219

■ 61.3964, 60.2291,
90.9906

■ 0.4498, 0.2173,
1.7479

■ 81.6575, 80.6205,
118.3301

■ 0.0000, 0.0000,
0.3932

105.9475,
105.1619, 150.6611

■ 0.0000, 0.0000,
0.0000

134.6319,

134.2377, 188.4024

168.0759,
168.2324, 231.9723

■ 13.3345, 12.4758,
23.1780

■ 13.3345, 12.4758,
23.1780

■ 11.0705, 9.7020,
22.7621

■ 15.9813, 15.7421,
23.6692

■ 9.1703, 7.3954,
22.4171

■ 19.0261, 19.5216,
24.2382

■ 7.6152, 5.5305,
22.1391

■ 22.4851, 23.8358,
24.8886

■ 6.3842, 4.0790,
21.9238

■ 26.3730, 28.7043,
25.6234

■ 5.4541, 3.0091,
21.7663

■ 30.7037, 34.1459,
26.4455

■ 4.7985, 2.2844,
21.6610

■ 35.4908, 40.1784,
27.3576

■ 4.3726, 1.8341,
21.5965

■ 40.7469, 46.8188,
28.3623

■ 4.2865, 1.7365,
21.5822

■ 46.4845, 54.0836,
29.4621

■ 52.7154, 61.9885,
30.6595

Harmonies

Analogous

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



11.7007, 12.4758, 24.5878



13.3345, 12.4758, 23.1780



14.6711, 12.4758, 19.0315

Triad

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



13.3345, 12.4758, 23.1780



13.6324, 12.4758, 7.3847



9.0102, 12.4758, 13.1368

Complementary

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



13.3345, 12.4758, 23.1780



18.9348, 21.5712, 13.9928

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.



9.4294, 12.4758, 9.2900



13.3345, 12.4758, 23.1780



12.0165, 12.4758, 6.4786

Square

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



13.3345, 12.4758, 23.1780



14.8538, 12.4758, 9.9113



10.4945, 12.4758, 7.0876



9.2946, 12.4758, 18.0675

Rectangle

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



13.3345, 12.4758, 23.1780



15.1619, 12.4758, 15.6761



10.4945, 12.4758, 7.0876



9.0725, 12.4758, 11.6869

Sweetspot

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



13.3349, 12.4763, 23.1783



33.6629, 34.4504, 43.3285



16.4576, 19.3542, 24.3413



7.6585, 7.7982, 10.0543



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.3349, 12.4763, 23.1783



21.2544, 19.1210, 41.0236



15.4719, 13.5780, 23.2783



4.4790, 4.5675, 5.8463



4.2207, 1.7100, 21.2443



0.0175, 0.0074, 0.0737

Inverse Universe

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



17.2835, 14.5426, 21.9755



29.5864, 23.4835, 38.3743



16.5383, 20.3358, 13.8806



4.8362, 4.7542, 5.7498



12.3431, 6.0016, 16.9107



0.0443, 0.0214, 0.0669

Previews

White Background



This preview shows how the XYZ color 13.3345, 12.4758, 23.1780 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 13.3345, 12.4758, 23.1780 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 13.3345, 12.4758, 23.1780

Background



This preview shows how black text looks on a background with the XYZ color 13.3345, 12.4758, 23.1780.



This preview shows how white text looks on a background with the XYZ color 13.3345, 12.4758,

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

13.3345, 12.4758, 23.1780

Protanopia

12.7211, 12.5527, 23.9427

Deuteranopia

12.6858, 12.4122, 23.1999



Tritanopia

11.7318, 12.3649, 15.6783

Trichromacy



Original Color

13.3345, 12.4758, 23.1780

Protanomaly

12.9538, 12.5425, 23.5680

Deuteranomaly

12.8957, 12.3841, 23.1834

Tritanomaly

12.3439, 12.4831, 18.2819

Monochromacy



Original Color

13.3345, 12.4758, 23.1780

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.4925, 12.5924, 16.8111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3345, 12.4758, 23.1780 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(99, 95, 131) looks like.

```
.text, #text, p{  
    color:rgb(99, 95, 131)  
}
```

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(99, 95, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 95, 131) }
```

Border

The CSS property to change the border of an element to XYZ 13.3345, 12.4758, 23.1780 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(99, 95, 131) }
```


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

```
.border{ border-color:rgb(99, 95, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 95, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 95, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 95, 131);  
box-shadow:4px 4px 4px 4px rgb(99, 95,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3345, 12.4758, 23.1780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 95, 131) }
```

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

```
.background{ background-color: rgb(99, 95,  
131) }
```

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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