

Converting Colors

XYZ(10.4659, 13.9433, 12.0372)

Have a look what the booklet for
XYZ(10.4659, 13.9433, 12.0372)
contains.

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Color

**XYZ(10.4659, 13.9433,
12.0372)**

Conversions

Conversions Part 1

Format	Color
Hex	48715B
RGB	72, 113, 91
RGB Percent	28%, 44%, 36%
CMY	0.7176, 0.5569, 0.6431
CMYK	0.36, 0.00, 0.19, 0.56
HSL	148°, 22%, 36%
HSV	148°, 36%, 44%
XYZ	10.4659, 13.9433, 12.0372
YIQ	98.2330, -17.3740, -15.5340

Conversions

Conversions Part 2

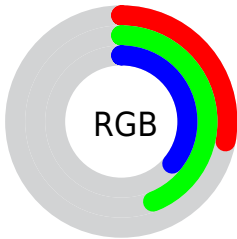
Format	Color
R_{YB}	72, 100, 113
Decimal	4747611
CIE Lab	44.15, -19.62, 7.72
CIE LCh	44, 21.085, 158.519
Yxy	13.9433, 0.2872, 0.3826
Android (android.graphics.Color)	4282937691 (0xFF48715B)
YUV	98.2330, -3.5659, -23.0063
Hunter-Lab	37.3407, -15.3161, 7.0257

Details

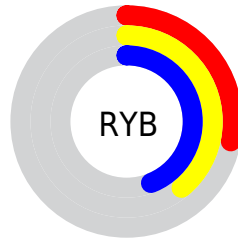
The XYZ color **10.4659, 13.9433, 12.0372** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.1482, 8.9538, 11.7309**, and the grayscale version is **11.6795, 12.2877, 13.3813**.

A 20% lighter version of the original color is **26.2889, 32.9709, 30.1778**, and **2.7649, 4.1767, 3.1431** is the 20% darker color. If you saturate the color by 10%, you get **9.4487, 13.4483, 10.6790**, and if you desaturate by 10%, it is **11.6599, 14.5278, 13.5146**.

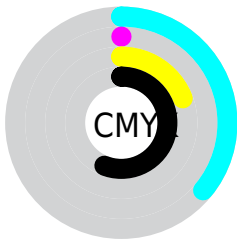
Distribution



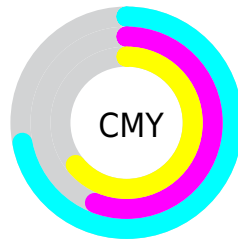
- Red (28%)
- Green (44%)
- Blue (36%)



- Red (28%)
- Yellow (39%)
- Blue (44%)



- Cyan (36%)
- Magenta (0%)
- Yellow (19%)
- Black (56%)



- Cyan (72%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4659, 13.9433, 12.0372 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 10.4659, 13.9433, 12.0372 by changing the saturation by 10% instead.

■ 10.4659, 13.9433,
12.0372

■ 10.4659, 13.9433,
12.0372

187.9507,
216.8778, 215.6381

■ 5.7736, 8.0812,
6.6462

■ 26.3100, 32.9884,
30.2283

■ 2.7472, 4.1470,
3.1667

■ 38.1925, 46.9402,
43.8654

■ 1.0215, 1.7561,
1.1804

■ 53.2024, 64.3574,
61.0882

■ 0.0000, 0.4596,
0.0000

■ 71.7051, 85.6244,
82.3154

■ 0.0000, 0.0000,
0.0000

■ 94.0659, 111.1255,
107.9654

120.6502,

141.2452, 138.4569

151.8233,
176.3678, 174.2082

■ 10.4659, 13.9433,
12.0372

■ 10.4659, 13.9433,
12.0372

■ 9.4487, 13.4483,
10.6790

■ 11.6599, 14.5278,
13.5146

■ 8.5981, 13.0364,
9.4361

■ 13.0380, 15.2042,
15.1133

■ 7.9047, 12.7033,
8.3057

■ 14.6082, 15.9772,
16.8362

■ 7.3576, 12.4433,
7.2843

■ 16.3779, 16.8504,
18.6861

■ 6.9444, 12.2501,
6.3686

■ 18.3539, 17.8273,
20.6657

■ 6.6384, 12.1101,
5.5543

■ 20.5430, 18.9114,
22.7773

■ 6.5335, 12.0620,
5.2760

■ 22.9514, 20.1057,
25.0236

■ 25.5852, 21.4134,
27.4068

■ 28.4500, 22.8374,
29.9293

Harmonies

Analogous

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



11.3393, 13.9433, 9.0283



10.4659, 13.9433, 12.0372



10.3053, 13.9433, 16.5954

Triad

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



10.4659, 13.9433, 12.0372



13.7375, 13.9433, 26.3044



15.9468, 13.9433, 10.1143

Complementary

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



10.4659, 13.9433, 12.0372



11.1482, 8.9538, 11.7309

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.



16.7144, 13.9433, 13.8510



10.4659, 13.9433, 12.0372



15.3700, 13.9433, 23.6404

Square

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



10.4659, 13.9433, 12.0372



12.1036, 13.9433, 25.5317



16.4949, 13.9433, 18.8315



14.4723, 13.9433, 8.0925

Rectangle

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



10.4659, 13.9433, 12.0372



10.6099, 13.9433, 20.0462



16.4949, 13.9433, 18.8315



16.3015, 13.9433, 11.1759

Sweetspot

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



10.4663, 13.9439, 12.0375



24.7050, 27.8933, 28.5732



11.7480, 14.6876, 8.3468



5.6495, 6.4193, 6.5376



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



10.4663, 13.9439, 12.0375



17.1055, 24.1713, 19.3809



11.4445, 14.3352, 17.1889



3.4034, 3.7865, 3.9305



7.4010, 13.6779, 5.9325



36.4407, 67.9649, 27.3038

Inverse Universe

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



11.1482, 8.9538, 11.7309



18.5293, 13.7481, 18.7369



10.3655, 8.6408, 7.6090



3.4523, 3.4286, 3.9087



8.6592, 4.3561, 5.2815



42.6962, 21.5238, 23.9960

Previews

White Background



This preview shows how the XYZ color 10.4659, 13.9433, 12.0372 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 10.4659, 13.9433, 12.0372 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 10.4659, 13.9433, 12.0372

Background



This preview shows how black text looks on a background with the XYZ color 10.4659, 13.9433, 12.0372.



This preview shows how white text looks on a background with the XYZ color 10.4659, 13.9433,

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

10.4659, 13.9433, 12.0372

Protanopia

13.0604, 13.8875, 10.7963

Deuteranopia

14.0488, 13.7740, 12.5079



Tritanopia

11.8805, 13.8650, 19.1896

Trichromacy



Original Color

10.4659, 13.9433, 12.0372

Protanomaly

11.8430, 13.7068, 11.2540

Deuteranomaly

12.3942, 13.6602, 12.3394

Tritanomaly

11.2632, 13.7711, 16.2518

Monochromacy



Original Color

10.4659, 13.9433, 12.0372

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.0356, 12.6506, 12.6866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4659, 13.9433, 12.0372 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(72, 113, 91)` looks like.

```
.text, #text, p{  
    color:rgb(72, 113, 91)  
}
```

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(72, 113, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 113, 91) }
```

Border

The CSS property to change the border of an element to XYZ 10.4659, 13.9433, 12.0372 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(72, 113, 91) }
```


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

```
.border{ border-color:rgb(72, 113, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 113, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 113, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 113, 91);  
box-shadow:4px 4px 4px 4px rgb(72, 113,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4659, 13.9433, 12.0372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 113, 91) }
```

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

```
.background{ background-color: rgb(72, 113,  
91) }
```

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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