

Converting Colors

XYZ(10.9321, 13.4638, 17.4105)

Have a look what the booklet for
XYZ(10.9321, 13.4638, 17.4105)
contains.

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Color

**XYZ(10.9191, 13.4092,
17.3420)**

Conversions

Conversions Part 1

Format	Color
Hex	466D70
RGB	70, 109, 112
RGB Percent	27%, 43%, 44%
CMY	0.7255, 0.5725, 0.5608
CMYK	0.37, 0.03, 0.00, 0.56
HSL	184°, 23%, 36%
HSV	184°, 37%, 44%
XYZ	10.9191, 13.4092, 17.3420
YIQ	97.6810, -24.2070, -7.3350

Conversions

Conversions Part 2

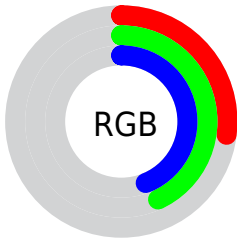
Format	Color
R_{YB}	70, 90, 112
Decimal	4615536
CIE Lab	43.37, -12.86, -6.04
CIE LCh	43, 14.206, 205.178
Yxy	13.4092, 0.2620, 0.3218
Android (android.graphics.Color)	4282805616 (0xFF466D70)
YUV	97.6810, 7.0593, -24.2762
Hunter-Lab	36.6186, -10.8565, -2.4458

Details

The XYZ color **10.9191, 13.4092, 17.3420** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.1704, 8.6524, 6.9288**, and the grayscale version is **11.5180, 12.1178, 13.1963**.

A 20% lighter version of the original color is **27.1914, 32.1631, 39.8969**, and **2.9034, 3.8671, 5.4439** is the 20% darker color. If you saturate the color by 10%, you get **10.1005, 12.8614, 17.2796**, and if you desaturate by 10%, it is **11.8900, 14.0373, 17.4123**.

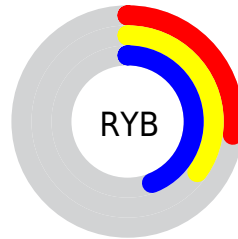
Distribution



Red (27%)

Green (43%)

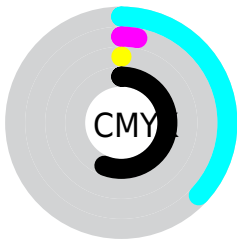
Blue (44%)



Red (27%)

Yellow (35%)

Blue (44%)

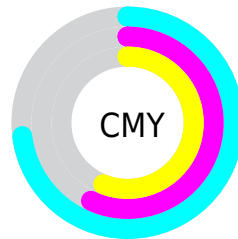


Cyan (37%)

Magenta (3%)

Yellow (0%)

Black (56%)



Cyan (73%)

Magenta (57%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9191, 13.4092, 17.3420 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 10.9191, 13.4092, 17.3420 by changing the saturation by 10% instead.

■ 10.9191, 13.4092,
17.3420

■ 10.9191, 13.4092,
17.3420

191.0315,
213.5238, 249.2459

■ 6.0794, 7.7109,
10.3141

■ 27.1448, 32.0370,
39.7115

■ 2.9345, 3.9105,
5.4994

■ 39.2614, 45.7353,
55.8903

■ 1.1192, 1.6236,
2.4793

■ 54.5343, 62.8691,
75.9563

■ 0.0411, 0.3735,
0.8292

■ 73.3289, 83.8227,
100.3283

■ 0.0000, 0.0000,
0.0000

■ 96.0106, 108.9806,
129.4247

122.9447,

138.7272, 163.6641

154.4965,
173.4468, 203.4650

■ 10.9191, 13.4092,
17.3420

■ 10.9191, 13.4092,
17.3420

■ 10.1005, 12.8614,
17.2796

■ 11.8900, 14.0373,
17.4123

■ 9.4247, 12.3881,
17.2239

■ 13.0197, 14.7481,
17.4899

■ 8.8827, 11.9849,
17.1746

■ 14.3159, 15.5459,
17.5756

■ 8.4643, 11.6466,
17.1314

■ 15.7854, 16.4341,
17.6696

■ 8.1577, 11.3670,
17.0936

■ 17.4346, 17.4162,
17.7722

■ 7.9305, 11.1295,
17.0597

■ 19.2694, 18.4951,
17.8838

■ 7.8753, 11.0711,
17.0514

■ 21.2958, 19.6740,
18.0045

■ 23.5192, 20.9556,
18.1347

■ 25.9450, 22.3427,
18.2746

Harmonies

Analogous

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



10.7449, 13.4092, 14.0953



10.9191, 13.4092, 17.3420



11.5710, 13.4092, 20.1805

Triad

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



10.9191, 13.4092, 17.3420



14.5680, 13.4092, 18.3538



12.9243, 13.4092, 9.3423

Complementary

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



10.9191, 13.4092, 17.3420



10.1704, 8.6524, 6.9288

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.



13.9959, 13.4092, 10.1572



10.9191, 13.4092, 17.3420



14.9791, 13.4092, 15.1173

Square

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



10.9191, 13.4092, 17.3420



13.6695, 13.4092, 20.8213



14.7640, 13.4092, 12.1640



11.8632, 13.4092, 9.7612

Rectangle

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



10.9191, 13.4092, 17.3420



12.2097, 13.4092, 21.3003



14.7640, 13.4092, 12.1640



13.2958, 13.4092, 9.4771

Sweetspot

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



10.9195, 13.4097, 17.3423



24.2510, 26.7603, 30.8169



9.5163, 13.3692, 8.3480



5.7705, 6.3948, 7.3999



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.



10.9195, 13.4097, 17.3423



17.9189, 22.7134, 30.3695



8.9570, 9.4847, 16.6881



3.4556, 3.7764, 4.3010



9.0974, 12.7850, 19.7099



45.0523, 63.1565, 98.0950

Inverse Universe

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



11.6330, 8.9296, 15.5790



19.3872, 13.6940, 26.6958



11.7729, 11.8572, 7.4630



3.5046, 3.4496, 4.1841



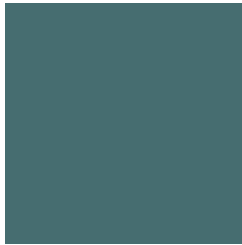
10.6103, 5.1365, 15.5554



52.7203, 25.5334, 76.7823

Previews

White Background



This preview shows how the XYZ color 10.9191, 13.4092, 17.3420 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 10.9191, 13.4092, 17.3420 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

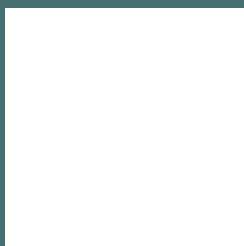
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.9191, 13.4092, 17.3420

Background



This preview shows how black text looks on a background with the XYZ color 10.9191, 13.4092, 17.3420.



This preview shows how white text looks on a background with the XYZ color 10.9191, 13.4092,

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

10.9191, 13.4092, 17.3420

Protanopia

12.7870, 13.1937, 15.7826

Deuteranopia

13.4430, 13.2028, 17.7595



Tritanopia

11.1720, 13.3491, 18.8174

Trichromacy



Original Color

10.9191, 13.4092, 17.3420

Protanomaly

11.9271, 13.1784, 16.3831

Deuteranomaly

12.3451, 13.2199, 17.5238

Tritanomaly

11.0556, 13.3025, 18.2046

Monochromacy



Original Color

10.9191, 13.4092, 17.3420

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.2241, 12.5567, 14.6641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9191, 13.4092, 17.3420 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(70, 109, 112)` looks like.

```
.text, #text, p{  
    color:rgb(70, 109, 112)  
}
```

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(70, 109, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 109, 112) }
```

Border

The CSS property to change the border of an element to XYZ 10.9191, 13.4092, 17.3420 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(70, 109, 112) }
```


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

```
.border{ border-color:rgb(70, 109, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 109, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 109, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 109, 112);  
box-shadow:4px 4px 4px 4px rgb(70, 109,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9191, 13.4092, 17.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 109, 112) }
```

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

```
.background{ background-color: rgb(70, 109,  
112) }
```

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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