

Converting Colors

XYZ(10.3191, 13.7412, 11.7752)

Have a look what the booklet for
XYZ(10.3191, 13.7412, 11.7752)
contains.

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Color

**XYZ(10.3121, 13.7042,
11.7745)**

Conversions

Conversions Part 1

Format	Color
Hex	48705A
RGB	72, 112, 90
RGB Percent	28%, 44%, 35%
CMY	0.7176, 0.5608, 0.6471
CMYK	0.36, 0.00, 0.20, 0.56
HSL	147°, 22%, 36%
HSV	147°, 36%, 44%
XYZ	10.3121, 13.7042, 11.7745
YIQ	97.5320, -16.7780, -15.3220

Conversions

Conversions Part 2

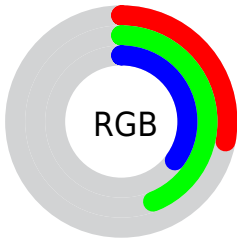
Format	Color
R_{YB}	72, 100, 112
Decimal	4747354
CIE _{Lab}	43.81, -19.31, 7.83
CIE _{LCh}	44, 20.836, 157.932
Yxy	13.7042, 0.2881, 0.3829
Android (android.graphics.Color)	4282937434 (0xFF48705A)
YUV	97.5320, -3.7133, -22.3916
Hunter-Lab	37.0192, -15.0604, 7.0554

Details

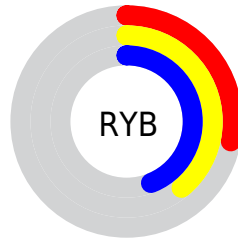
The XYZ color **10.3121, 13.7042, 11.7745** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.0203, 8.8880, 11.7249**, and the grayscale version is **11.5055, 12.1047, 13.1820**.

A 20% lighter version of the original color is **26.0351, 32.5819, 29.7277**, and **2.6889, 4.0553, 3.0239** is the 20% darker color. If you saturate the color by 10%, you get **9.3006, 13.2122, 10.4148**, and if you desaturate by 10%, it is **11.4982, 14.2845, 13.2564**.

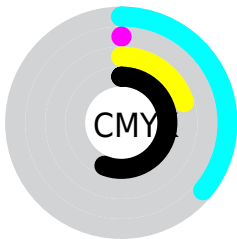
Distribution



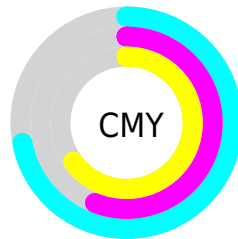
- Red (28%)
- Green (44%)
- Blue (35%)



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



- Cyan (36%)
- Magenta (0%)
- Yellow (20%)
- Black (56%)



- Cyan (72%)
- Magenta (56%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3121, 13.7042, 11.7745 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 10.3121, 13.7042, 11.7745 by changing the saturation by 10% instead.

■ 10.3121, 13.7042,
11.7745

■ 10.3121, 13.7042,
11.7745

186.8927,
215.3828, 213.8313

■ 5.6702, 7.9152,
6.4697

■ 26.0253, 32.5632,
29.7420

■ 2.6844, 4.0407,
3.0593

■ 37.8273, 46.4021,
43.2417

■ 0.9891, 1.6964,
1.1250

■ 52.7467, 63.6930,
60.3100

■ 0.0000, 0.4213,
0.0000

■ 71.1490, 84.8205,
81.3657

■ 0.0000, 0.0000,
0.0000

■ 93.3993, 110.1688,
106.8271

119.8632,

140.1223, 137.1128

150.9059,
175.0655, 172.6413

■ 10.3121, 13.7042,
11.7745

■ 10.3121, 13.7042,
11.7745

■ 9.3006, 13.2122,
10.4148

■ 11.4982, 14.2845,
13.2564

■ 8.4539, 12.8023,
9.1733

■ 12.8660, 14.9555,
14.8627

■ 7.7627, 12.4702,
8.0469

■ 14.4235, 15.7216,
16.5965

■ 7.2163, 12.2104,
7.0323

■ 16.1779, 16.5866,
18.4608

■ 6.8027, 12.0168,
6.1258

■ 18.1359, 17.5538,
20.4581

■ 6.4980, 11.8772,
5.3229

■ 20.3040, 18.6265,
22.5911

■ 6.3788, 11.8226,
5.0087

■ 22.6884, 19.8080,
24.8624

■ 25.2951, 21.1010,
27.2745

■ 28.1296, 22.5087,
29.8298

Harmonies

Analogous

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



11.1787, 13.7042, 8.8635



10.3121, 13.7042, 11.7745



10.1409, 13.7042, 16.2050

Triad

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



10.3121, 13.7042, 11.7745



13.4662, 13.7042, 25.7935



15.6789, 13.7042, 10.0230

Complementary

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



10.3121, 13.7042, 11.7745



11.0203, 8.8880, 11.7249

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.



16.4108, 13.7042, 13.7077



10.3121, 13.7042, 11.7745



15.0651, 13.7042, 23.2539

Square

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



10.3121, 13.7042, 11.7745



11.8744, 13.7042, 24.9725



16.1773, 13.7042, 18.5846



14.2485, 13.7042, 8.0104

Rectangle

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



10.3121, 13.7042, 11.7745



10.4294, 13.7042, 19.5725



16.1773, 13.7042, 18.5846



16.0200, 13.7042, 11.0727

Sweetspot

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



10.3125, 13.7048, 11.7748



23.7708, 26.8468, 27.4294



11.6491, 14.4719, 8.3105



5.6455, 6.4177, 6.5166



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.



10.3125, 13.7048, 11.7748



16.6008, 23.3372, 18.6609



11.2454, 14.0779, 16.6875



3.4016, 3.7859, 3.9214



7.3627, 13.6626, 5.7305



36.2539, 67.8902, 26.3199

Inverse Universe

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



11.0203, 8.8880, 11.7249



18.0448, 13.5048, 18.5550



10.2585, 8.5832, 7.7132



3.4541, 3.4293, 3.9179



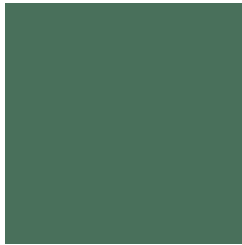
8.7059, 4.3748, 5.5274



42.9286, 21.6168, 25.2199

Previews

White Background



This preview shows how the XYZ color 10.3121, 13.7042, 11.7745 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 10.3121, 13.7042, 11.7745 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 10.3121, 13.7042, 11.7745

Background



This preview shows how black text looks on a background with the XYZ color 10.3121, 13.7042, 11.7745.



This preview shows how white text looks on a background with the XYZ color 10.3121, 13.7042,

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

10.3121, 13.7042, 11.7745

Protanopia

12.7966, 13.6076, 10.5464

Deuteranopia

13.7737, 13.4959, 12.2349



Tritanopia

11.7153, 13.6292, 18.8429

Trichromacy



Original Color

10.3121, 13.7042, 11.7745

Protanomaly

11.6982, 13.4830, 11.0027

Deuteranomaly

12.2489, 13.4400, 12.0738

Tritanomaly

11.1030, 13.5353, 15.9373

Monochromacy



Original Color

10.3121, 13.7042, 11.7745

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 10.3121, 13.7042, 11.7745 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, 112, 90)` looks like.

```
.text, #text, p{  
    color:rgb(72, 112, 90)  
}
```

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, 112, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 112, 90) }
```

Border

The CSS property to change the border of an element to XYZ 10.3121, 13.7042, 11.7745 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, 112, 90) }
```


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

```
.border{ border-color:rgb(72, 112, 90) }
```

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

Here you see how a box with a 4 pixel rgb(72, 112, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 112, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 112, 90);  
box-shadow:4px 4px 4px 4px rgb(72, 112,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3121, 13.7042, 11.7745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 112, 90) }
```

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

```
.background{ background-color: rgb(72, 112,  
90) }
```

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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