

Converting Colors

XYZ(11.6406, 13.9005, 17.3795)

Have a look what the booklet for
XYZ(11.6406, 13.9005, 17.3795)
contains.

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Color

**XYZ(11.6424, 13.9414,
17.4066)**

Conversions

Conversions Part 1

Format	Color
Hex	4E6E70
RGB	78, 110, 112
RGB Percent	31%, 43%, 44%
CMY	0.6941, 0.5686, 0.5608
CMYK	0.30, 0.02, 0.00, 0.56
HSL	184°, 18%, 37%
HSV	184°, 30%, 44%
XYZ	11.6424, 13.9414, 17.4066
YIQ	100.6600, -19.7140, -6.1620

Conversions

Conversions Part 2

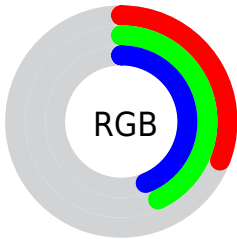
Format	Color
R_{YB}	78, 94, 112
Decimal	5140080
CIE _{Lab}	44.15, -10.95, -4.84
CIE _{LCh}	44, 11.969, 203.860
Yxy	13.9414, 0.2708, 0.3243
Android (android.graphics.Color)	4283330160 (0xFF4E6E70)
YUV	100.6600, 5.5906, -19.8728
Hunter-Lab	37.3382, -9.6838, -1.5035

Details

The XYZ color **11.6424, 13.9414, 17.4066** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.9260, 9.7321, 8.5105**, and the grayscale version is **12.2721, 12.9112, 14.0603**.

A 20% lighter version of the original color is **28.5233, 33.1102, 40.0095**, and **3.2131, 4.1067, 5.4738** is the 20% darker color. If you saturate the color by 10%, you get **10.7312, 13.3669, 17.3440**, and if you desaturate by 10%, it is **12.7113, 14.5986, 17.4774**.

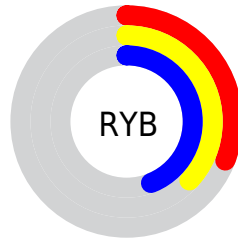
Distribution



Red (31%)

Green (43%)

Blue (44%)



Red (31%)

Yellow (37%)

Blue (44%)

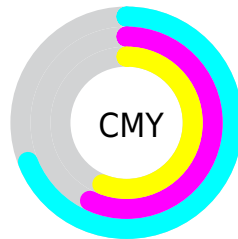


Cyan (30%)

Magenta (2%)

Yellow (0%)

Black (56%)



Cyan (69%)

Magenta (57%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6424, 13.9414, 17.4066 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 11.6424, 13.9414, 17.4066 by changing the saturation by 10% instead.

■ 11.6424, 13.9414,
17.4066

■ 11.6424, 13.9414,
17.4066

195.8419,
216.8660, 249.6275

■ 6.5711, 8.0799,
10.3598

■ 28.4647, 32.9850,
39.8237

■ 3.2393, 4.1461,
5.5294

■ 40.9464, 46.9359,
56.0312

■ 1.2815, 1.7556,
2.4970

■ 56.6289, 64.3521,
76.1292

■ 0.1693, 0.4593,
0.8386

■ 75.8777, 85.6180,
100.5364

■ 0.0000, 0.0000,
0.0000

■ 99.0580, 111.1179,
129.6713

126.5353,

141.2363, 163.9524

158.6748,
176.3575, 203.7983

■ 11.6424, 13.9414,
17.4066

■ 11.6424, 13.9414,
17.4066

■ 10.7312, 13.3669,
17.3440

■ 12.7113, 14.5986,
17.4774

■ 9.9685, 12.8695,
17.2882

■ 13.9440, 15.3407,
17.5556

■ 9.3461, 12.4451,
17.2390

■ 15.3478, 16.1719,
17.6421

■ 8.8545, 12.0890,
17.1962

■ 16.9292, 17.0953,
17.7370

■ 8.4831, 11.7956,
17.1592

■ 18.6944, 18.1143,
17.8406

■ 8.2195, 11.5585,
17.1273

■ 20.6492, 19.2318,
17.9533

■ 8.0188, 11.3582,
17.0992

■ 22.7993, 20.4508,
18.0752

■ 25.1499, 21.7740,
18.2068

■ 27.7063, 23.2041,
18.3480

Harmonies

Analogous

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



11.5087, 13.9414, 14.6246



11.6424, 13.9414, 17.4066



12.1978, 13.9414, 19.8322

Triad

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



11.6424, 13.9414, 17.4066



14.7889, 13.9414, 18.4953



13.4481, 13.9414, 10.5308

Complementary

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



11.6424, 13.9414, 17.4066



10.9260, 9.7321, 8.5105

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.



14.3629, 13.9414, 11.3186



11.6424, 13.9414, 17.4066



15.1606, 13.9414, 15.7489

Square

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



11.6424, 13.9414, 17.4066



14.0072, 13.9414, 20.5117



15.0011, 13.9414, 13.1515



12.5223, 13.9414, 10.8627

Rectangle

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



11.6424, 13.9414, 17.4066



12.7472, 13.9414, 20.8089



15.0011, 13.9414, 13.1515



13.7676, 13.9414, 10.6702

Sweetspot

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



11.6428, 13.9420, 17.4069



24.7571, 27.1053, 30.8568



10.3732, 13.7830, 9.6453



5.8824, 6.4729, 7.4091



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.



11.6428, 13.9420, 17.4069



19.3683, 23.8112, 30.5050



10.0074, 10.6712, 16.8618



3.4590, 3.7833, 4.3021



9.2644, 13.1192, 19.7656



45.9277, 64.9074, 98.3869

Inverse Universe

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



12.2213, 10.0195, 16.0423



20.5584, 15.8457, 27.6742



12.3045, 12.4891, 8.9700



3.5063, 3.4502, 4.1931



10.6946, 5.1702, 15.9995



53.1622, 25.7102, 79.1092

Previews

White Background



This preview shows how the XYZ color 11.6424, 13.9414, 17.4066 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 11.6424, 13.9414, 17.4066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

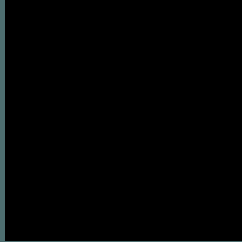
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6424, 13.9414, 17.4066

Background



This preview shows how black text looks on a background with the XYZ color 11.6424, 13.9414, 17.4066.



This preview shows how white text looks on a background with the XYZ color 11.6424, 13.9414,

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

11.6424, 13.9414, 17.4066

Protanopia

13.3827, 13.7865, 16.1431

Deuteranopia

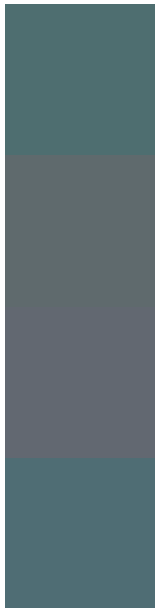
14.1214, 13.8373, 17.8462



Tritanopia

11.9631, 13.9075, 19.1934

Trichromacy



Original Color

11.6424, 13.9414, 17.4066

Protanomaly

12.6337, 13.8451, 16.4745

Deuteranomaly

12.9680, 13.6896, 17.5816

Tritanomaly

11.8455, 13.8605, 18.5740

Monochromacy



Original Color

11.6424, 13.9414, 17.4066

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.0143, 13.2477, 15.2884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6424, 13.9414, 17.4066 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(78, 110, 112)` looks like.

```
.text, #text, p{  
    color:rgb(78, 110, 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(78, 110, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 110, 112) }
```

Border

The CSS property to change the border of an element to XYZ 11.6424, 13.9414, 17.4066 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(78, 110, 112) }
```


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

```
.border{ border-color:rgb(78, 110, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 110, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 110, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 110, 112);  
box-shadow:4px 4px 4px 4px rgb(78, 110,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6424, 13.9414, 17.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 110, 112) }
```

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

```
.background{ background-color: rgb(78, 110,  
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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