

Converting Colors

XYZ(13.3370, 16.0707, 21.1270)

Have a look what the booklet for
XYZ(13.3370, 16.0707, 21.1270)
contains.

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Color

**XYZ(13.3618, 16.0924,
21.1408)**

Conversions

Conversions Part 1

Format	Color
Hex	50767B
RGB	80, 118, 123
RGB Percent	31%, 46%, 48%
CMY	0.6863, 0.5372, 0.5176
CMYK	0.35, 0.04, 0.00, 0.52
HSL	187°, 21%, 40%
HSV	187°, 35%, 48%
XYZ	13.3618, 16.0924, 21.1408
YIQ	107.2080, -24.2530, -6.5010

Conversions

Conversions Part 2

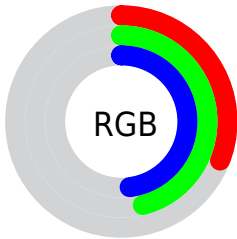
Format	Color
R_{YB}	80, 100, 123
Decimal	5273211
CIE _{Lab}	47.10, -11.98, -7.03
CIE _{LCh}	47, 13.888, 210.390
Yxy	16.0924, 0.2641, 0.3181
Android (android.graphics.Color)	4283463291 (0xFF50767B)
YUV	107.2080, 7.7855, -23.8614
Hunter-Lab	40.1153, -10.7462, -3.1651

Details

The XYZ color **13.3618, 16.0924, 21.1408** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.8650, 11.2871, 9.0902**, and the grayscale version is **14.0171, 14.7470, 16.0595**.

A 20% lighter version of the original color is **31.4727, 36.6699, 45.9767**, and **3.9913, 5.1660, 7.2653** is the 20% darker color. If you saturate the color by 10%, you get **12.2499, 15.2715, 21.0412**, and if you desaturate by 10%, it is **14.6674, 17.0177, 21.2509**.

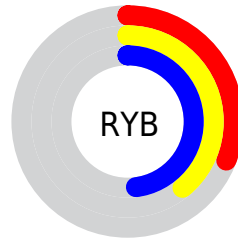
Distribution



Red (31%)

Green (46%)

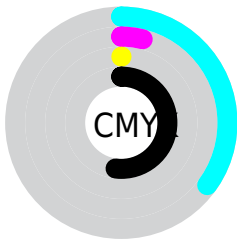
Blue (48%)



Red (31%)

Yellow (39%)

Blue (48%)

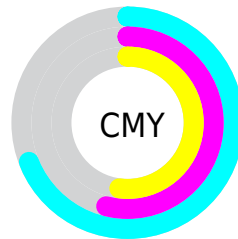


Cyan (35%)

Magenta (4%)

Yellow (0%)

Black (52%)



Cyan (69%)

Magenta (54%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3618, 16.0924, 21.1408 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 13.3618, 16.0924, 21.1408 by changing the saturation by 10% instead.

■ 13.3618, 16.0924,
21.1408

■ 13.3618, 16.0924,
21.1408

206.8146,
229.8863, 270.8314

■ 7.7569, 9.5896,
13.0347

■ 31.5481, 36.7585,
46.2056

■ 3.9903, 5.1277,
7.3214

■ 44.8601, 51.6906,
64.0013

■ 1.6966, 2.3224,
3.5825

■ 61.4719, 70.2013,
85.8641

■ 0.4542, 0.7855,
1.3992

■ 81.7488, 92.6748,
112.2124

■ 0.0000, 0.0000,
0.1411

■ 106.0562,
119.4957, 143.4647

■ 0.0000, 0.0000,
0.0000

134.7594,

151.0483, 180.0396

168.2237,
187.7171, 222.3557

■ 13.3618, 16.0924,
21.1408

■ 13.3618, 16.0924,
21.1408

■ 12.2499, 15.2715,
21.0412

■ 14.6674, 17.0177,
21.2509

■ 11.3198, 14.5477,
20.9505

■ 16.1748, 18.0505,
21.3708

■ 10.5607, 13.9158,
20.8686

■ 17.8935, 19.1960,
21.5013

■ 9.9598, 13.3692,
20.7948

■ 19.8319, 20.4586,
21.6428

■ 9.5026, 12.9005,
20.7284

■ 21.9980, 21.8425,
21.7958

■ 9.1668, 12.4980,
20.6684

■ 24.3993, 23.3515,
21.9605

■ 9.0122, 12.3041,
20.6391

■ 27.0430, 24.9893,
22.1373

■ 29.9361, 26.7596,
22.3265

■ 33.0851, 28.6657,
22.5284

Harmonies

Analogous

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



13.0698, 16.0924, 17.5676



13.3618, 16.0924, 21.1408



14.1665, 16.0924, 24.0279

Triad

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



13.3618, 16.0924, 21.1408



17.4244, 16.0924, 21.0512



15.2794, 16.0924, 11.6314

Complementary

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



13.3618, 16.0924, 21.1408



12.8650, 11.2871, 9.0902

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.



16.4826, 16.0924, 12.3110



13.3618, 16.0924, 21.1408



17.7602, 16.0924, 17.4762

Square

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



13.3618, 16.0924, 21.1408



16.5116, 16.0924, 23.9715



17.4070, 16.0924, 14.3415



14.1403, 16.0924, 12.3472

Rectangle

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



13.3618, 16.0924, 21.1408



14.9075, 16.0924, 25.0064



17.4070, 16.0924, 14.3415



15.6899, 16.0924, 11.7031

Sweetspot

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



13.3623, 16.0930, 21.1412



30.3670, 33.2645, 38.3768



12.0035, 16.5165, 11.0048



7.0686, 7.7786, 9.0319



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.3623, 16.0930, 21.1412



22.2940, 27.6165, 37.7121



11.1769, 11.7222, 20.4127



4.0692, 4.4367, 5.0851



9.3204, 12.7233, 21.3499



44.0577, 59.8880, 101.7072

Inverse Universe

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



14.3074, 11.2566, 18.5589



24.2912, 17.6941, 32.1884



14.7501, 15.0573, 9.7186



4.1354, 4.0699, 4.9106



11.2878, 5.4913, 15.3386



53.6414, 26.1129, 72.0989

Previews

White Background



This preview shows how the XYZ color 13.3618, 16.0924, 21.1408 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 13.3618, 16.0924, 21.1408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

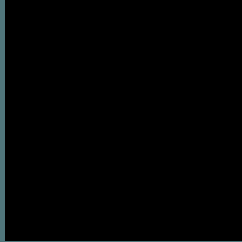
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

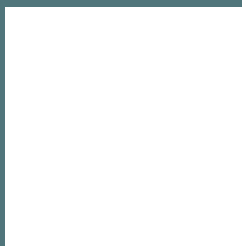
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3618, 16.0924, 21.1408

Background



This preview shows how black text looks on a background with the XYZ color 13.3618, 16.0924, 21.1408.



This preview shows how white text looks on a background with the XYZ color 13.3618, 16.0924,

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

13.3618, 16.0924, 21.1408

Protanopia

15.5100, 16.0564, 19.4213

Deuteranopia

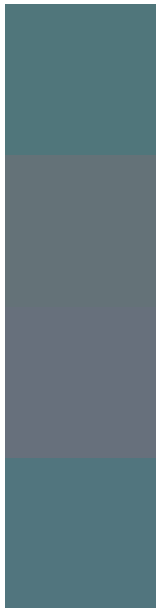
16.2667, 15.9188, 21.6173



Tritanopia

13.5854, 16.0042, 22.4518

Trichromacy



Original Color

13.3618, 16.0924, 21.1408

Protanomaly

14.6630, 16.1000, 20.1041

Deuteranomaly

15.0258, 15.9271, 21.3511

Tritanomaly

13.5205, 15.9783, 22.1102

Monochromacy



Original Color

13.3618, 16.0924, 21.1408

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5948, 15.1025, 17.8213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3618, 16.0924, 21.1408 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(80, 118, 123) looks like.

```
.text, #text, p{  
    color:rgb(80, 118, 123)  
}
```

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(80, 118, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 118, 123) }
```

Border

The CSS property to change the border of an element to XYZ 13.3618, 16.0924, 21.1408 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(80, 118, 123) }
```


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

```
.border{ border-color:rgb(80, 118, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 118, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 118, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 118, 123);  
box-shadow:4px 4px 4px 4px rgb(80, 118,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3618, 16.0924, 21.1408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 118, 123) }
```

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

```
.background{ background-color: rgb(80, 118,  
123) }
```

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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