

Converting Colors

XYZ(12.3467, 14.5979, 24.2131)

Have a look what the booklet for
XYZ(12.3467, 14.5979, 24.2131)
contains.

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Color

**XYZ(12.3855, 14.6620,
24.3676)**

Conversions

Conversions Part 1

Format	Color
Hex	427185
RGB	66, 113, 133
RGB Percent	26%, 44%, 52%
CMY	0.7412, 0.5569, 0.4784
CMYK	0.50, 0.15, 0.00, 0.48
HSL	198°, 34%, 39%
HSV	198°, 50%, 52%
XYZ	12.3855, 14.6620, 24.3676
YIQ	101.2270, -34.4320, -3.7440

Conversions

Conversions Part 2

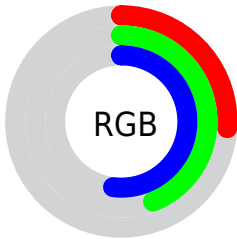
Format	Color
R _{YB}	66, 94, 133
Decimal	4354437
CIE _{Lab}	45.17, -10.16, -15.97
CIE _{LCh}	45, 18.926, 237.519
Yxy	14.6620, 0.2409, 0.2852
Android (android.graphics.Color)	4282544517 (0xFF427185)
YUV	101.2270, 15.6641, -30.8941
Hunter-Lab	38.2910, -9.2721, -10.9272

Details

The XYZ color **12.3855, 14.6620, 24.3676** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.9843, 12.0356, 6.7406**, and the grayscale version is **12.3958, 13.0414, 14.2020**.

A 20% lighter version of the original color is **29.7893, 34.3070, 51.5062**, and **3.5393, 4.4503, 8.8561** is the 20% darker color. If you saturate the color by 10%, you get **11.1584, 13.3865, 24.1863**, and if you desaturate by 10%, it is **13.8414, 16.0848, 24.5658**.

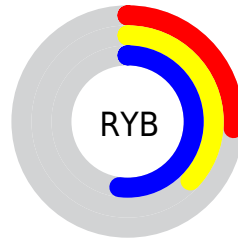
Distribution



Red (26%)

Green (44%)

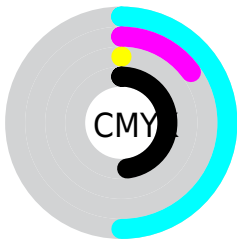
Blue (52%)



Red (26%)

Yellow (37%)

Blue (52%)

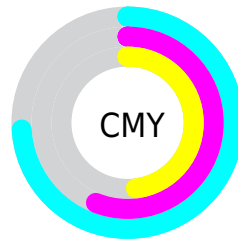


Cyan (50%)

Magenta (15%)

Yellow (0%)

Black (48%)



Cyan (74%)

Magenta (56%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3855, 14.6620, 24.3676 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 12.3855, 14.6620, 24.3676 by changing the saturation by 10% instead.

■ 12.3855, 14.6620,
24.3676

■ 12.3855, 14.6620,
24.3676

200.6592,
221.3112, 288.0199

■ 7.0809, 8.5825,
15.3918

■ 29.8061, 34.2591,
51.5807

■ 3.5595, 4.4699,
8.9452

■ 42.6528, 48.5456,
70.6552

■ 1.4561, 1.9397,
4.6091

■ 58.7441, 66.3364,
93.9329

■ 0.2957, 0.5721,
1.9651

■ 78.4456, 88.0161,
121.8325

■ 0.0000, 0.0000,
0.5337

■ 102.1225,
113.9691, 154.7724

■ 0.0000, 0.0000,
0.0000

130.1401,

144.5796, 193.1713

162.8639,
180.2322, 237.4476

■ 12.3855, 14.6620,
24.3676

■ 12.3855, 14.6620,
24.3676

■ 11.1584, 13.3865,
24.1863

■ 13.8414, 16.0848,
24.5658

■ 10.1436, 12.2486,
24.0202

■ 15.5381, 17.6606,
24.7805

■ 9.3250, 11.2397,
23.8686

■ 17.4884, 19.3966,
25.0128

■ 8.6828, 10.3496,
23.7306

■ 19.7040, 21.2992,
25.2633

■ 8.1745, 9.5752,
23.6080

■ 22.1955, 23.3742,
25.5324

■ 24.9730, 25.6271,
25.8209

■ 28.0463, 28.0633,
26.1292

■ 31.4245, 30.6879,
26.4577

■ 35.1163, 33.5055,
26.8070

Harmonies

Analogous

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



11.4401, 14.6620, 20.2739



12.3855, 14.6620, 24.3676



13.8063, 14.6620, 26.1826

Triad

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



12.3855, 14.6620, 24.3676



17.1542, 14.6620, 16.3394



12.5947, 14.6620, 9.4909

Complementary

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



12.3855, 14.6620, 24.3676



13.9843, 12.0356, 6.7406

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.



14.0661, 14.6620, 8.8252



12.3855, 14.6620, 24.3676



16.7703, 14.6620, 12.3135

Square

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



12.3855, 14.6620, 24.3676



16.6238, 14.6620, 21.0391



15.6103, 14.6620, 9.7564



11.5544, 14.6620, 11.7794

Rectangle

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



12.3855, 14.6620, 24.3676



14.8588, 14.6620, 25.6431



15.6103, 14.6620, 9.7564



13.0518, 14.6620, 9.0909

Sweetspot

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



12.3860, 14.6626, 24.3679



33.2545, 36.4122, 45.0140



12.2736, 18.5892, 11.5324



7.3339, 8.0673, 10.1233



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.3860, 14.6626, 24.3679



19.7859, 23.7599, 43.2817



9.3874, 8.6653, 23.3684



4.6874, 5.0504, 5.9285



7.7935, 9.1348, 22.4891



0.0334, 0.0444, 0.0800

Inverse Universe

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



14.6021, 10.0756, 16.7986



24.3809, 15.1940, 27.3749



17.1920, 18.4512, 7.8099



4.8002, 4.7398, 5.5604



11.1119, 5.5091, 10.4276



0.0417, 0.0204, 0.0531

Previews

White Background



This preview shows how the XYZ color 12.3855, 14.6620, 24.3676 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 12.3855, 14.6620, 24.3676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

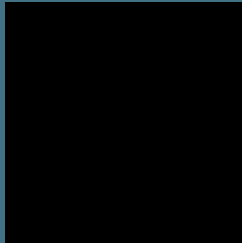
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3855, 14.6620, 24.3676

Background



This preview shows how black text looks on a background with the XYZ color 12.3855, 14.6620, 24.3676.

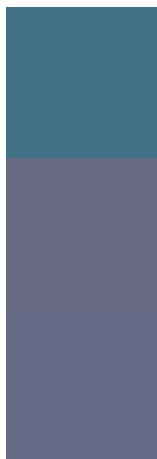


This preview shows how white text looks on a background with the XYZ color 12.3855, 14.6620,

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

12.3855, 14.6620, 24.3676

Protanopia

14.4273, 14.4864, 22.4578

Deuteranopia

14.8030, 14.4747, 24.9354



Tritanopia

11.8187, 14.7735, 21.2974

Trichromacy



Original Color

12.3855, 14.6620, 24.3676

Protanomaly

13.5117, 14.4607, 23.1981

Deuteranomaly

13.6806, 14.3605, 24.6051

Tritanomaly

11.9624, 14.6569, 22.2773

Monochromacy



Original Color

12.3855, 14.6620, 24.3676

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.0567, 13.3701, 17.5680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3855, 14.6620, 24.3676 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(66, 113, 133)` looks like.

```
.text, #text, p{  
    color:rgb(66, 113, 133)  
}
```

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(66, 113, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 113, 133) }
```

Border

The CSS property to change the border of an element to XYZ 12.3855, 14.6620, 24.3676 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(66, 113, 133) }
```


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

```
.border{ border-color:rgb(66, 113, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 113, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 113, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 113, 133);  
box-shadow:4px 4px 4px 4px rgb(66, 113,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3855, 14.6620, 24.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 113, 133) }
```

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

```
.background{ background-color: rgb(66, 113,  
133) }
```

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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