

Converting Colors

XYZ(12.2105, 14.3352, 17.7165)

Have a look what the booklet for
XYZ(12.2105, 14.3352, 17.7165)
contains.

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Color

**XYZ(12.2324, 14.4001,
17.7576)**

Conversions

Conversions Part 1

Format	Color
Hex	536F71
RGB	83, 111, 113
RGB Percent	33%, 44%, 44%
CMY	0.6745, 0.5647, 0.5569
CMYK	0.27, 0.02, 0.00, 0.56
HSL	184°, 15%, 38%
HSV	184°, 27%, 44%
XYZ	12.2324, 14.4001, 17.7576
YIQ	102.8560, -17.3300, -5.3140

Conversions

Conversions Part 2

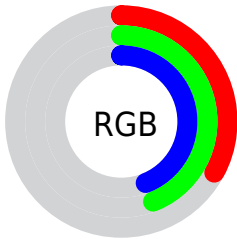
Format	Color
R_{YB}	83, 97, 113
Decimal	5468017
CIE _{Lab}	44.80, -9.63, -4.44
CIE _{LCh}	45, 10.607, 204.751
Yxy	14.4001, 0.2756, 0.3244
Android (android.graphics.Color)	4283658097 (0xFF536F71)
YUV	102.8560, 5.0010, -17.4137
Hunter-Lab	37.9475, -8.8684, -1.1817

Details

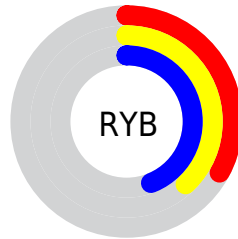
The XYZ color **12.2324, 14.4001, 17.7576** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.6202, 10.6325, 9.6239**, and the grayscale version is **12.8449, 13.5139, 14.7166**.

A 20% lighter version of the original color is **29.5616, 33.8975, 40.5821**, and **3.4592, 4.3117, 5.6510** is the 20% darker color. If you saturate the color by 10%, you get **11.2339, 13.7642, 17.6877**, and if you desaturate by 10%, it is **13.3950, 15.1223, 17.8360**.

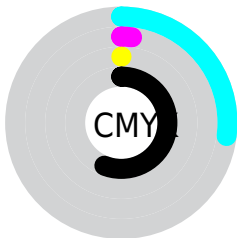
Distribution



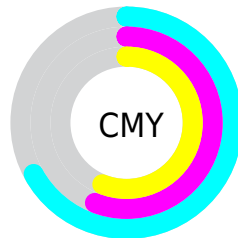
- Red (33%)
- Green (44%)
- Blue (44%)



- Red (33%)
- Yellow (38%)
- Blue (44%)



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (56%)



- Cyan (67%)
- Magenta (56%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2324, 14.4001, 17.7576 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 12.2324, 14.4001, 17.7576 by changing the saturation by 10% instead.

■ 12.2324, 14.4001,
17.7576

■ 12.2324, 14.4001,
17.7576

199.6765,
219.7059, 251.6913

■ 6.9755, 8.3995,
10.6085

■ 29.5309, 33.7973,
40.4322

■ 3.4930, 4.3516,
5.6934

■ 42.3031, 47.9626,
56.7947

■ 1.4195, 1.8721,
2.5938

■ 58.3112, 65.6183,
77.0655

■ 0.2701, 0.5315,
0.8892

■ 77.9205, 87.1487,
101.6630

■ 0.0000, 0.0000,
0.0000

■ 101.4963,
112.9383, 131.0057

129.4040,

143.3714, 165.5124

162.0089,
178.8325, 205.6013

■ 12.2324, 14.4001,
17.7576

■ 12.2324, 14.4001,
17.7576

■ 11.2339, 13.7642,
17.6877

■ 13.3950, 15.1223,
17.8360

■ 10.3903, 13.2089,
17.6250

■ 14.7278, 15.9329,
17.9222

■ 9.6935, 12.7303,
17.5693

■ 16.2380, 16.8360,
18.0169

■ 9.1342, 12.3236,
17.5203

■ 17.9322, 17.8350,
18.1204

■ 8.7021, 11.9834,
17.4774

■ 19.8165, 18.9330,
18.2330

■ 8.3850, 11.7036,
17.4401

■ 21.8968, 20.1331,
18.3550

■ 8.1559, 11.4702,
17.4072

■ 24.1788, 21.4382,
18.4867

■ 8.0804, 11.3916,
17.3960

■ 26.6678, 22.8511,
18.6282

■ 29.3691, 24.3745,
18.7799

Harmonies

Analogous

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



12.0977, 14.4001, 15.2478



12.2324, 14.4001, 17.7576



12.7499, 14.4001, 19.8963

Triad

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



12.2324, 14.4001, 17.7576



15.0894, 14.4001, 18.5898



13.8395, 14.4001, 11.4011

Complementary

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



12.2324, 14.4001, 17.7576



11.6202, 10.6325, 9.6239

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.



14.6686, 14.4001, 12.1047



12.2324, 14.4001, 17.7576



15.4094, 14.4001, 16.1188

Square

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



12.2324, 14.4001, 17.7576



14.3945, 14.4001, 20.4110



15.2523, 14.4001, 13.7698



13.0028, 14.4001, 11.7419

Rectangle

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



12.2324, 14.4001, 17.7576



13.2544, 14.4001, 20.7342



15.2523, 14.4001, 13.7698



14.1287, 14.4001, 11.5209

Sweetspot

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



12.2328, 14.4007, 17.7579



25.9528, 28.2770, 32.0656



11.0927, 14.2976, 10.6661



5.9314, 6.4968, 7.4111



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.



12.2328, 14.4007, 17.7579



20.7431, 25.0503, 31.7174



10.7770, 11.4890, 17.2726



3.4569, 3.7790, 4.3014



9.1602, 12.9107, 19.7308



45.3815, 63.8148, 98.2048

Inverse Universe

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



12.7730, 10.8454, 16.4596



21.8982, 17.5476, 28.9185



12.8811, 13.1544, 10.0442



3.5053, 3.4498, 4.1875



10.6420, 5.1492, 15.7225



52.8864, 25.5999, 77.6572

Previews

White Background



This preview shows how the XYZ color 12.2324, 14.4001, 17.7576 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 12.2324, 14.4001, 17.7576 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

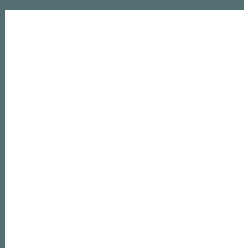
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2324, 14.4001, 17.7576

Background



This preview shows how black text looks on a background with the XYZ color 12.2324, 14.4001, 17.7576.



This preview shows how white text looks on a background with the XYZ color 12.2324, 14.4001,

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

12.2324, 14.4001, 17.7576

Protanopia

13.7558, 14.2714, 16.4977

Deuteranopia

14.6269, 14.3830, 18.2249



Tritanopia

12.5619, 14.3686, 19.5641

Trichromacy



Original Color

12.2324, 14.4001, 17.7576

Protanomaly

13.1092, 14.2378, 16.8091

Deuteranomaly

13.5581, 14.2897, 17.9632

Tritanomaly

12.4430, 14.3210, 18.9380

Monochromacy



Original Color

12.2324, 14.4001, 17.7576

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6317, 13.8564, 15.9187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2324, 14.4001, 17.7576 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(83, 111, 113) looks like.

```
.text, #text, p{  
    color:rgb(83, 111, 113)  
}
```

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(83, 111, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 111, 113) }
```

Border

The CSS property to change the border of an element to XYZ 12.2324, 14.4001, 17.7576 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(83, 111, 113) }
```


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

```
.border{ border-color:rgb(83, 111, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 111, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 111, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 111, 113);  
box-shadow:4px 4px 4px 4px rgb(83, 111,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2324, 14.4001, 17.7576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 111, 113) }
```

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

```
.background{ background-color: rgb(83, 111,  
113) }
```

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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