

Converting Colors

XYZ(13.3846, 14.0221, 24.3720)

Have a look what the booklet for
XYZ(13.3846, 14.0221, 24.3720)
contains.

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Color

**XYZ(13.4122, 14.0762,
24.2004)**

Conversions

Conversions Part 1

Format	Color
Hex	586A85
RGB	88, 106, 133
RGB Percent	35%, 42%, 52%
CMY	0.6549, 0.5843, 0.4784
CMYK	0.34, 0.20, 0.00, 0.48
HSL	216°, 20%, 43%
HSV	216°, 34%, 52%
XYZ	13.4122, 14.0762, 24.2004
YIQ	103.6960, -19.3950, 4.5810

Conversions

Conversions Part 2

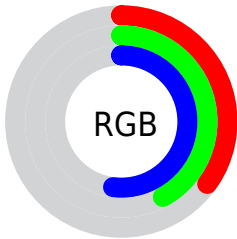
Format	Color
R_{YB}	88, 101, 133
Decimal	5794437
CIE _{Lab}	44.34, 0.21, -17.11
CIE _{LCh}	44, 17.112, 270.720
Yxy	14.0762, 0.2595, 0.2723
Android (android.graphics.Color)	4283984517 (0xFF586A85)
YUV	103.6960, 14.4469, -13.7654
Hunter-Lab	37.5183, -1.8460, -11.9810

Details

The XYZ color **13.4122, 14.0762, 24.2004** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **17.5654, 17.9530, 11.7726**, and the grayscale version is **13.0437, 13.7230, 14.9443**.

A 20% lighter version of the original color is **31.5674, 33.1481, 51.1888**, and **4.0004, 4.2036, 8.7841** is the 20% darker color. If you saturate the color by 10%, you get **11.4818, 11.9168, 23.8856**, and if you desaturate by 10%, it is **15.6497, 16.5082, 24.5521**.

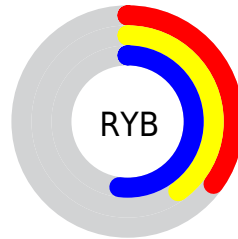
Distribution



Red (35%)

Green (42%)

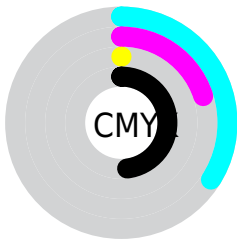
Blue (52%)



Red (35%)

Yellow (40%)

Blue (52%)

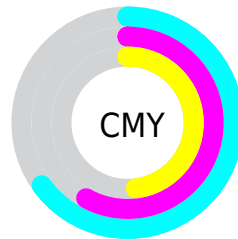


Cyan (34%)

Magenta (20%)

Yellow (0%)

Black (48%)



Cyan (65%)

Magenta (58%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4122, 14.0762, 24.2004 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 13.4122, 14.0762, 24.2004 by changing the saturation by 10% instead.

■ 13.4122, 14.0762,
24.2004

■ 13.4122, 14.0762,
24.2004

207.1274,
217.7044, 287.1512

■ 7.7919, 8.1737,
15.2688

■ 31.6374, 33.2242,
51.3050

■ 4.0128, 4.2063,
8.8595

■ 44.9731, 47.2384,
70.3150

■ 1.7094, 1.7896,
4.5541

■ 61.6113, 64.7254,
93.5215

■ 0.4621, 0.4807,
1.9340

■ 81.9173, 86.0694,
121.3431

■ 0.0000, 0.0000,
0.5142

■ 106.2566,
111.6549, 154.1984

■ 0.0000, 0.0000,
0.0000

134.9945,

141.8663, 192.5058

168.4963,
177.0880, 236.6839

■ 13.4122, 14.0762,
24.2004

■ 13.4122, 14.0762,
24.2004

■ 11.4818, 11.9168,
23.8856

■ 15.6497, 16.5082,
24.5521

■ 9.8427, 10.0178,
23.6054

■ 18.2066, 19.2212,
24.9410

■ 8.4794, 8.3682,
23.3589

■ 21.0961, 22.2250,
25.3685

■ 7.3744, 6.9558,
23.1445

■ 24.3300, 25.5286,
25.8357

■ 6.5079, 5.7668,
22.9607

■ 27.9198, 29.1405,
26.3437

■ 5.8555, 4.7848,
22.8055

■ 31.8764, 33.0690,
26.8935

■ 5.5159, 4.2580,
22.7217

■ 36.2100, 37.3218,
27.4859

■ 40.9306, 41.9065,
28.1221

■ 46.0478, 46.8305,
28.8028

Harmonies

Analogous

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



12.1286, 14.0762, 22.9145



13.4122, 14.0762, 24.2004



14.7738, 14.0762, 22.7905

Triad

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



13.4122, 14.0762, 24.2004



15.7799, 14.0762, 11.7788



11.2054, 14.0762, 11.9174

Complementary

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



13.4122, 14.0762, 24.2004



17.5654, 17.9530, 11.7726

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.



12.0749, 14.0762, 9.7012



13.4122, 14.0762, 24.2004



14.7125, 14.0762, 9.6313

Square

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



13.4122, 14.0762, 24.2004



16.1969, 14.0762, 15.2318



13.3459, 14.0762, 8.9401



10.9085, 14.0762, 15.4218

Rectangle

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



13.4122, 14.0762, 24.2004



15.5289, 14.0762, 20.6305



13.3459, 14.0762, 8.9401



11.4373, 14.0762, 11.0199

Sweetspot

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



13.4127, 14.0768, 24.2007



34.4000, 36.2995, 44.9318



15.5070, 20.0879, 19.2802



7.6144, 8.0364, 10.1026



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.



13.4127, 14.0768, 24.2007



21.1777, 22.0391, 42.8762



12.1876, 10.9746, 23.6665



4.5760, 4.8277, 5.8914



5.2615, 4.0708, 21.6451



0.0250, 0.0277, 0.0773

Inverse Universe

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



15.7645, 13.0071, 15.3159



26.1830, 20.1247, 23.8862



19.1268, 22.1080, 12.4923



4.7440, 4.7173, 5.2644



9.8339, 4.9979, 3.6976



0.0375, 0.0187, 0.0309

Previews

White Background



This preview shows how the XYZ color 13.4122, 14.0762, 24.2004 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 13.4122, 14.0762, 24.2004 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

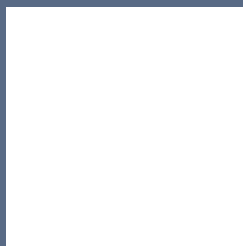
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4122, 14.0762, 24.2004

Background



This preview shows how black text looks on a background with the XYZ color 13.4122, 14.0762, 24.2004.



This preview shows how white text looks on a background with the XYZ color 13.4122, 14.0762,

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

13.4122, 14.0762, 24.2004

Protanopia

14.0841, 14.1360, 23.4589

Deuteranopia

14.4089, 14.1311, 24.5224



Tritanopia

12.3357, 14.1065, 18.9023

Trichromacy



Original Color

13.4122, 14.0762, 24.2004

Protanomaly

13.8325, 14.1488, 23.8317

Deuteranomaly

14.0773, 14.1087, 24.5355

Tritanomaly

12.6840, 14.0865, 20.7893

Monochromacy



Original Color

13.4122, 14.0762, 24.2004

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1831, 13.9376, 18.2151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4122, 14.0762, 24.2004 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(88, 106, 133) looks like.

```
.text, #text, p{  
    color:rgb(88, 106, 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(88, 106, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 106, 133) }
```

Border

The CSS property to change the border of an element to XYZ 13.4122, 14.0762, 24.2004 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(88, 106, 133) }
```


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

```
.border{ border-color:rgb(88, 106, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 106, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 106, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 106, 133);  
box-shadow:4px 4px 4px 4px rgb(88, 106,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4122, 14.0762, 24.2004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 106, 133) }
```

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

```
.background{ background-color: rgb(88, 106,  
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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