

Converting Colors

XYZ(13.7038, 14.3399, 29.8991)

Have a look what the booklet for
XYZ(13.7038, 14.3399, 29.8991)
contains.

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Color

**XYZ(13.7684, 14.4410,
30.0787)**

Conversions

Conversions Part 1

Format	Color
Hex	4D6C94
RGB	77, 108, 148
RGB Percent	30%, 42%, 58%
CMY	0.6980, 0.5765, 0.4196
CMYK	0.48, 0.27, 0.00, 0.42
HSL	214°, 32%, 44%
HSV	214°, 48%, 58%
XYZ	13.7684, 14.4410, 30.0787
YIQ	103.2910, -31.3160, 5.8680

Conversions

Conversions Part 2

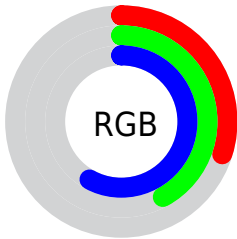
Format	Color
R_{YB}	77, 99, 148
Decimal	5074068
CIE _{Lab}	44.86, 0.27, -25.33
CIE _{LCh}	45, 25.328, 270.614
Yxy	14.4410, 0.2362, 0.2478
Android (android.graphics.Color)	4283264148 (0xFF4D6C94)
YUV	103.2910, 22.0415, -23.0572
Hunter-Lab	38.0013, -1.8293, -20.3281

Details

The XYZ color **13.7684, 14.4410, 30.0787** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.9140, 19.5548, 9.7466**, and the grayscale version is **12.9189, 13.5917, 14.8014**.

A 20% lighter version of the original color is **32.2647, 33.8064, 60.7019**, and **4.1798, 4.3827, 11.9349** is the 20% darker color. If you saturate the color by 10%, you get **11.8697, 12.2188, 29.7501**, and if you desaturate by 10%, it is **16.0240, 16.9726, 30.4487**.

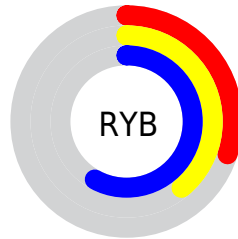
Distribution



Red (30%)

Green (42%)

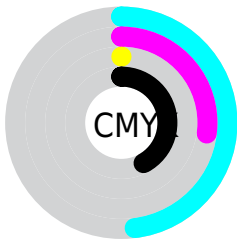
Blue (58%)



Red (30%)

Yellow (39%)

Blue (58%)

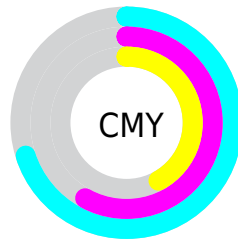


Cyan (48%)

Magenta (27%)

Yellow (0%)

Black (42%)



Cyan (70%)

Magenta (58%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7684, 14.4410, 30.0787 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 13.7684, 14.4410, 30.0787 by changing the saturation by 10% instead.

■ 13.7684, 14.4410,
30.0787

■ 13.7684, 14.4410,
30.0787

209.3248,
219.9573, 316.4898

■ 8.0404, 8.4280,
19.6458

■ 32.2672, 33.8695,
60.8491

■ 4.1728, 4.3700,
11.9563

■ 45.7688, 48.0538,
82.0236

■ 1.8004, 1.8826,
6.5918

■ 62.5922, 65.7307,
107.6158

■ 0.5179, 0.5379,
3.1336

■ 83.1028, 87.2845,
138.0441

■ 0.0000, 0.0000,
1.1632

■ 107.6660,
113.0997, 173.7272

■ 0.0000, 0.0000,
0.0000

136.6472,

143.5606, 215.0834

170.4117,
179.0517, 262.5315

■ 13.7684, 14.4410,
30.0787

■ 13.7684, 14.4410,
30.0787

■ 11.8697, 12.2188,
29.7501

■ 16.0240, 16.9726,
30.4487

■ 10.3053, 10.2900,
29.4603

■ 18.6540, 19.8252,
30.8607

■ 9.0522, 8.6395,
29.2077

■ 21.6769, 23.0117,
31.3165

■ 8.0835, 7.2496,
28.9905

■ 25.1089, 26.5438,
31.8173

■ 7.3494, 6.0904,
28.8055

■ 28.9658, 30.4324,
32.3646

■ 7.2139, 5.8752,
28.7711

■ 33.2621, 34.6880,
32.9596

■ 38.0118, 39.3206,
33.6035

■ 43.2284, 44.3399,
34.2973

■ 48.9244, 49.7551,
35.0424

Harmonies

Analogous

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



11.8658, 14.4410, 27.8781



13.7684, 14.4410, 30.0787



15.8516, 14.4410, 27.6997

Triad

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



13.7684, 14.4410, 30.0787



17.4395, 14.4410, 10.6088



10.5448, 14.4410, 10.7723

Complementary

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



13.7684, 14.4410, 30.0787



19.9140, 19.5548, 9.7466

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.



11.7990, 14.4410, 7.8193



13.7684, 14.4410, 30.0787



15.7705, 14.4410, 7.7429

Square

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



13.7684, 14.4410, 30.0787



18.0975, 14.4410, 15.6021



13.6832, 14.4410, 6.8652



10.1217, 14.4410, 15.8462

Rectangle

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



13.7684, 14.4410, 30.0787



17.0336, 14.4410, 24.1120



13.6832, 14.4410, 6.8652



10.8765, 14.4410, 9.5489

Sweetspot

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



13.7689, 14.4415, 30.0790



40.3974, 42.8313, 55.5727



16.8062, 24.0201, 20.2893



8.9560, 9.5024, 12.6470



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.7689, 14.4415, 30.0790



20.5855, 21.1288, 52.4279



11.3546, 9.1759, 29.1899



5.6953, 6.0247, 7.3324



6.1880, 5.0708, 24.5837



0.1042, 0.1190, 0.3104

Inverse Universe

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



17.5738, 12.6869, 15.7104



28.3876, 18.4724, 22.7535



23.5102, 27.6859, 11.1265



5.8997, 5.8549, 6.5778



11.2505, 5.7053, 4.8002



0.1521, 0.0756, 0.1345

Previews

White Background



This preview shows how the XYZ color 13.7684, 14.4410, 30.0787 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 13.7684, 14.4410, 30.0787 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 13.7684, 14.4410, 30.0787

Background



This preview shows how black text looks on a background with the XYZ color 13.7684, 14.4410, 30.0787.

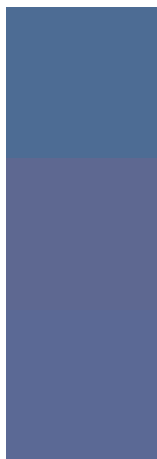


This preview shows how white text looks on a background with the XYZ color 13.7684, 14.4410,

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

13.7684, 14.4410, 30.0787

Protanopia

14.6772, 14.3246, 28.7794

Deuteranopia

14.7908, 14.4972, 30.4525



Tritanopia

11.8722, 14.4806, 20.5817

Trichromacy



Original Color

13.7684, 14.4410, 30.0787

Protanomaly

14.2644, 14.2532, 29.1935

Deuteranomaly

14.4166, 14.4564, 30.4643

Tritanomaly

12.4537, 14.3853, 23.5930

Monochromacy



Original Color

13.7684, 14.4410, 30.0787

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9974, 13.8147, 19.4342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7684, 14.4410, 30.0787 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(77, 108, 148)` looks like.

```
.text, #text, p{  
    color:rgb(77, 108, 148)  
}
```

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(77, 108, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 108, 148) }
```

Border

The CSS property to change the border of an element to XYZ 13.7684, 14.4410, 30.0787 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(77, 108, 148) }
```


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

```
.border{ border-color:rgb(77, 108, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 108, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 108, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 108, 148);  
box-shadow:4px 4px 4px 4px rgb(77, 108,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7684, 14.4410, 30.0787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 108, 148) }
```

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

```
.background{ background-color: rgb(77, 108,  
148) }
```

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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