

Converting Colors

XYZ(13.9032, 14.0066, 34.2786)

Have a look what the booklet for
XYZ(13.9032, 14.0066, 34.2786)
contains.

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Color

**XYZ(13.8956, 13.9495,
34.3079)**

Conversions

Conversions Part 1

Format	Color
Hex	48699E
RGB	72, 105, 158
RGB Percent	28%, 41%, 62%
CMY	0.7176, 0.5882, 0.3804
CMYK	0.54, 0.34, 0.00, 0.38
HSL	217°, 37%, 45%
HSV	217°, 54%, 62%
XYZ	13.8956, 13.9495, 34.3079
YIQ	101.1750, -36.6810, 9.4870

Conversions

Conversions Part 2

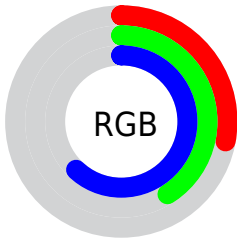
Format	Color
R_{YB}	72, 96, 158
Decimal	4745630
CIE _{Lab}	44.16, 4.09, -32.37
CIE _{LCh}	44, 32.627, 277.198
Yxy	13.9495, 0.2236, 0.2244
Android (android.graphics.Color)	4282935710 (0xFF48699E)
YUV	101.1750, 28.0147, -25.5865
Hunter-Lab	37.3490, 1.0496, -28.3180

Details

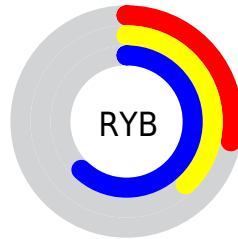
The XYZ color **13.8956, 13.9495, 34.3079** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.6044, 22.4050, 9.2647**, and the grayscale version is **12.3520, 12.9952, 14.1518**.

A 20% lighter version of the original color is **32.5029, 33.0167, 67.6106**, and **4.2022, 4.1119, 14.2079** is the 20% darker color. If you saturate the color by 10%, you get **11.9300, 11.5474, 33.9481**, and if you desaturate by 10%, it is **16.2786, 16.7358, 34.7204**.

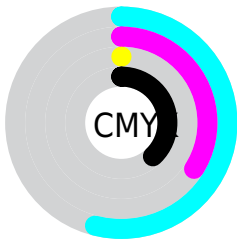
Distribution



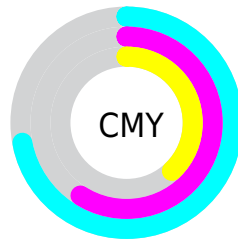
- Red (28%)
- Green (41%)
- Blue (62%)



- Red (28%)
- Yellow (38%)
- Blue (62%)



- Cyan (54%)
- Magenta (34%)
- Yellow (0%)
- Black (38%)



- Cyan (72%)
- Magenta (59%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8956, 13.9495, 34.3079 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 13.8956, 13.9495, 34.3079 by changing the saturation by 10% instead.

■ 13.8956, 13.9495,
34.3079

■ 13.8956, 13.9495,
34.3079

210.1040,
216.9164, 336.3138

■ 8.1293, 8.0855,
22.8510

■ 32.4915, 32.9994,
67.5516

■ 4.2303, 4.1497,
14.2792

■ 46.0518, 46.9541,
90.1753

■ 1.8332, 1.7577,
8.1742

■ 62.9408, 64.3746,
117.3585

■ 0.5376, 0.4606,
4.1172

■ 83.5239, 85.6452,
149.5196

■ 0.0000, 0.0000,
1.6899

■ 108.1664,
111.1502, 187.0771

■ 0.0000, 0.0000,
0.3538

137.2337,

■ 0.0000, 0.0000,

141.2742, 230.4496

0.0000

171.0911,
176.4015, 280.0557

■ 13.8956, 13.9495,
34.3079

■ 13.8956, 13.9495,
34.3079

■ 11.9300, 11.5474,
33.9481

■ 16.2786, 16.7358,
34.7204

■ 10.3526, 9.5082,
33.6376

■ 19.1022, 19.9231,
35.1868

■ 9.1328, 7.8102,
33.3742

■ 22.3896, 23.5286,
35.7094

■ 8.2331, 6.4280,
33.1548

■ 26.1620, 27.5682,
36.2903

■ 7.8205, 5.7664,
33.0489

■ 30.4391, 32.0569,
36.9313

■ 35.2396, 37.0088,
37.6341

■ 40.5809, 42.4373,
38.4004

■ 46.4800, 48.3555,
39.2318

■ 52.9529, 54.7757,
40.1299

Harmonies

Analogous

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



11.4121, 13.9495, 32.6031



13.8956, 13.9495, 34.3079



16.5202, 13.9495, 29.7050

Triad

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



13.8956, 13.9495, 34.3079



17.6579, 13.9495, 8.0668



9.1595, 13.9495, 10.2836

Complementary

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



13.8956, 13.9495, 34.3079



22.6044, 22.4050, 9.2647

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.



10.4572, 13.9495, 6.3934



13.8956, 13.9495, 34.3079



15.2942, 13.9495, 5.4368

Square

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



13.8956, 13.9495, 34.3079



18.8694, 13.9495, 13.4626



12.6413, 13.9495, 4.9447



8.8874, 13.9495, 17.0563

Rectangle

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



13.8956, 13.9495, 34.3079



17.9258, 13.9495, 24.3516



12.6413, 13.9495, 4.9447



9.4811, 13.9495, 8.6720

Sweetspot

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



13.8961, 13.9500, 34.3082



46.1498, 48.6195, 65.6956



18.5127, 27.2770, 23.2263



10.0984, 10.6350, 14.7642



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



13.8961, 13.9500, 34.3082



21.0856, 20.2394, 61.5387



11.8487, 8.8357, 33.4290



6.4830, 6.8317, 8.3836



6.2992, 4.6900, 26.4805



0.1521, 0.1628, 0.4866

Inverse Universe

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



18.9682, 12.9243, 14.8600



31.5689, 19.3237, 21.0714



25.8645, 31.3492, 10.8193



6.7331, 6.6862, 7.4458



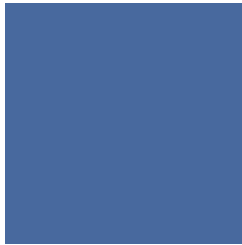
11.9778, 6.0957, 4.1339



0.2341, 0.1170, 0.1788

Previews

White Background



This preview shows how the XYZ color 13.8956, 13.9495, 34.3079 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 13.8956, 13.9495, 34.3079 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

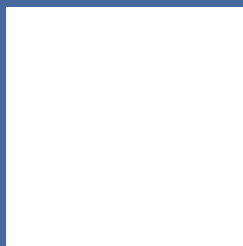
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8956, 13.9495, 34.3079

Background



This preview shows how black text looks on a background with the XYZ color 13.8956, 13.9495, 34.3079.



This preview shows how white text looks on a background with the XYZ color 13.8956, 13.9495,

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

13.8956, 13.9495, 34.3079

Protanopia

14.5899, 13.8815, 33.3629

Deuteranopia

14.2638, 13.9890, 34.2961



Tritanopia

11.0490, 13.8986, 20.1895

Trichromacy



Original Color

13.8956, 13.9495, 34.3079

Protanomaly

14.3294, 13.8841, 33.8230

Deuteranomaly

14.1024, 13.9058, 34.2886

Tritanomaly

11.8861, 13.7485, 24.5815

Monochromacy



Original Color

13.8956, 13.9495, 34.3079

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4807, 13.0815, 20.2795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8956, 13.9495, 34.3079 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(72, 105, 158)` looks like.

```
.text, #text, p{  
    color:rgb(72, 105, 158)  
}
```

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(72, 105, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 105, 158) }
```

Border

The CSS property to change the border of an element to XYZ 13.8956, 13.9495, 34.3079 is called "border". The border property can be set on classes, ids or directly on the HTML element.

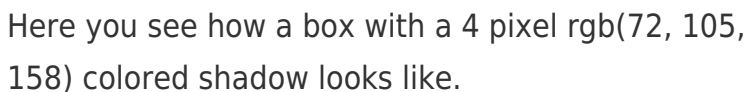
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(72, 105, 158) }
```


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

```
.border{ border-color:rgb(72, 105, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(72, 105, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(72, 105, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(72, 105, 158); box-shadow:4px 4px 4px 4px rgb(72, 105, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8956, 13.9495, 34.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 105, 158) }
```

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

```
.background{ background-color: rgb(72, 105,  
158) }
```

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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