

Converting Colors

XYZ(13.7771, 14.2993, 36.6842)

Have a look what the booklet for
XYZ(13.7771, 14.2993, 36.6842)
contains.

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Color

**XYZ(13.7771, 14.2993,
36.6842)**

Conversions

Conversions Part 1

Format	Color
Hex	3B6CA3
RGB	59, 108, 163
RGB Percent	23%, 42%, 64%
CMY	0.7686, 0.5765, 0.3608
CMYK	0.64, 0.34, 0.00, 0.36
HSL	212°, 47%, 44%
HSV	212°, 64%, 64%
XYZ	13.7771, 14.2993, 36.6842
YIQ	99.6190, -46.8590, 6.7170

Conversions

Conversions Part 2

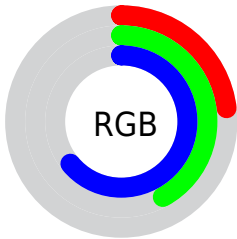
Format	Color
R_{YB}	59, 92, 163
Decimal	3894435
CIE _{Lab}	44.66, 1.19, -34.58
CIE _{LCh}	45, 34.603, 271.967
Yxy	14.2993, 0.2127, 0.2208
Android (android.graphics.Color)	4282084515 (0xFF3B6CA3)
YUV	99.6190, 31.2468, -35.6229
Hunter-Lab	37.8144, -1.1415, -31.0478

Details

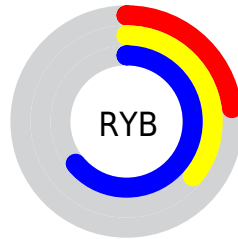
The XYZ color **13.7771, 14.2993, 36.6842** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.9119, 20.1383, 6.8708**, and the grayscale version is **11.9486, 12.5709, 13.6897**.

A 20% lighter version of the original color is **32.2555, 33.5712, 71.1095**, and **4.5380, 4.4852, 15.6655** is the 20% darker color. If you saturate the color by 10%, you get **12.0929, 12.1476, 36.3579**, and if you desaturate by 10%, it is **15.8539, 16.7873, 37.0553**.

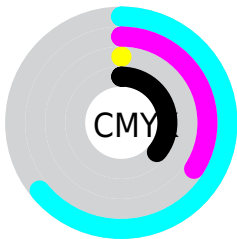
Distribution



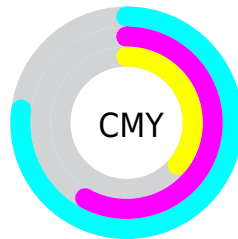
- Red (23%)
- Green (42%)
- Blue (64%)



- Red (23%)
- Yellow (36%)
- Blue (64%)



- Cyan (64%)
- Magenta (34%)
- Yellow (0%)
- Black (36%)



- Cyan (77%)
- Magenta (58%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7771, 14.2993, 36.6842 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 13.7771, 14.2993, 36.6842 by changing the saturation by 10% instead.

■ 13.7771, 14.2993,
36.6842

■ 13.7771, 14.2993,
36.6842

209.3782,
219.0849, 347.0687

■ 8.0465, 8.3291,
24.6692

■ 32.2826, 33.6192,
71.2677

■ 4.1767, 4.3063,
15.6140

■ 45.7881, 47.7376,
94.6733

■ 1.8026, 1.8463,
9.1000

■ 62.6160, 65.3410,
122.7128

■ 0.5192, 0.5158,
4.7088

■ 83.1316, 86.8136,
155.8049

■ 0.0000, 0.0000,
2.0217

■ 107.7003,
112.5399, 194.3679

■ 0.0000, 0.0000,
0.5686

136.6874,

■ 0.0000, 0.0000,

142.9043, 238.8206

0.0000

170.4582,
178.2912, 289.5813

■ 13.7771, 14.2993,
36.6842

■ 13.7771, 14.2993,
36.6842

■ 12.0929, 12.1476,
36.3579

■ 15.8539, 16.7873,
37.0553

■ 10.7680, 10.3106,
36.0732

■ 18.3497, 19.6282,
37.4721

■ 9.7652, 8.7652,
35.8278

■ 21.2901, 22.8390,
37.9369

■ 9.2504, 7.9234,
35.6924

■ 24.6981, 26.4351,
38.4513

■ 28.5951, 30.4308,
39.0172

■ 33.0010, 34.8394,
39.6359

■ 37.9346, 39.6738,
40.3090

■ 43.4137, 44.9462,
41.0379

■ 49.4552, 50.6682,
41.8240

Harmonies

Analogous

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



11.2095, 14.2993, 33.5817



13.7771, 14.2993, 36.6842



16.6527, 14.2993, 32.7040

Triad

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



13.7771, 14.2993, 36.6842



18.7020, 14.2993, 8.7373



9.3628, 14.2993, 9.3773

Complementary

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



13.7771, 14.2993, 36.6842



21.9119, 20.1383, 6.8708

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.



10.9297, 14.2993, 5.7947



13.7771, 14.2993, 36.6842



16.2881, 14.2993, 5.5246

Square

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



13.7771, 14.2993, 36.6842



19.7287, 14.2993, 15.0451



13.4067, 14.2993, 4.6688



8.8800, 14.2993, 16.1060

Rectangle

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



13.7771, 14.2993, 36.6842



18.2997, 14.2993, 27.1637



13.4067, 14.2993, 4.6688



9.7685, 14.2993, 7.8571

Sweetspot

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



13.7776, 14.2998, 36.6846



47.2258, 50.4356, 69.3021



17.8671, 28.3109, 20.0681



10.1887, 10.8968, 15.5038



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



13.7776, 14.2998, 36.6846



20.4828, 20.1648, 64.8688



10.0837, 6.7568, 35.4233



6.9627, 7.3845, 8.9614



7.2341, 6.2476, 27.7544



0.1992, 0.2257, 0.5989

Inverse Universe

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



19.3755, 11.9979, 15.4824



31.8667, 17.6075, 21.2755



28.6387, 34.1153, 9.2140



7.2062, 7.1389, 8.0721



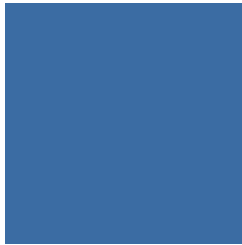
12.7969, 6.4748, 6.1211



0.2927, 0.1456, 0.2542

Previews

White Background



This preview shows how the XYZ color 13.7771, 14.2993, 36.6842 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 13.7771, 14.2993, 36.6842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

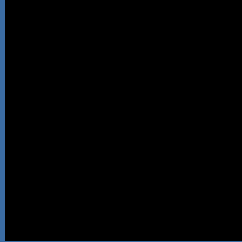
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7771, 14.2993, 36.6842

Background



This preview shows how black text looks on a background with the XYZ color 13.7771, 14.2993, 36.6842.



This preview shows how white text looks on a background with the XYZ color 13.7771, 14.2993,

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

13.7771, 14.2993, 36.6842

Protanopia

14.9460, 14.1821, 34.7506

Deuteranopia

14.6541, 14.2793, 37.1058



Tritanopia

10.7838, 14.4028, 21.6137

Trichromacy



Original Color

13.7771, 14.2993, 36.6842

Protanomaly

14.3772, 14.1777, 35.2365

Deuteranomaly

14.3091, 14.2536, 37.1190

Tritanomaly

11.6920, 14.2552, 26.5614

Monochromacy



Original Color

13.7771, 14.2993, 36.6842

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1717, 13.0619, 20.6186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7771, 14.2993, 36.6842 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(59, 108, 163)` looks like.

```
.text, #text, p{  
    color:rgb(59, 108, 163)  
}
```

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(59, 108, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 108, 163) }
```

Border

The CSS property to change the border of an element to XYZ 13.7771, 14.2993, 36.6842 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(59, 108, 163) }
```


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

```
.border{ border-color:rgb(59, 108, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 108, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 108, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 108, 163);  
box-shadow:4px 4px 4px 4px rgb(59, 108,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7771, 14.2993, 36.6842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 108, 163) }
```

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

```
.background{ background-color: rgb(59, 108,  
163) }
```

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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