

Converting Colors

XYZ(16.2888, 14.3604, 34.7704)

Have a look what the booklet for
XYZ(16.2888, 14.3604, 34.7704)
contains.

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Color

**XYZ(16.1993, 14.2517,
34.6979)**

Conversions

Conversions Part 1

Format	Color
Hex	66639F
RGB	102, 99, 159
RGB Percent	40%, 39%, 62%
CMY	0.6000, 0.6118, 0.3765
CMYK	0.36, 0.38, 0.00, 0.38
HSL	243°, 24%, 51%
HSV	243°, 38%, 62%
XYZ	16.1993, 14.2517, 34.6979
YIQ	106.7370, -17.4720, 19.2960

Conversions

Conversions Part 2

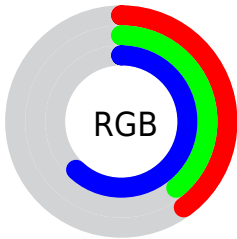
Format	Color
R_{YB}	102, 99, 159
Decimal	6710175
CIE _{Lab}	44.59, 16.05, -32.14
CIE _{LCh}	45, 35.923, 296.533
Yxy	14.2517, 0.2487, 0.2188
Android (android.graphics.Color)	4284900255 (0xFF66639F)
YUV	106.7370, 25.7657, -4.1543
Hunter-Lab	37.7514, 10.5301, -28.0683

Details

The XYZ color **16.1993, 14.2517, 34.6979** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.3609, 32.7653, 16.6345**, and the grayscale version is **13.8373, 14.5579, 15.8536**.

A 20% lighter version of the original color is **36.5615, 33.6363, 68.1838**, and **5.2922, 4.3116, 14.4632** is the 20% darker color. If you saturate the color by 10%, you get **13.2800, 10.7267, 34.1716**, and if you desaturate by 10%, it is **19.7282, 18.5318, 35.3383**.

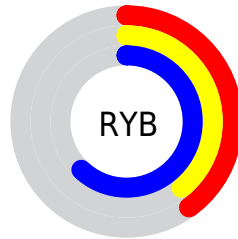
Distribution



Red (40%)

Green (39%)

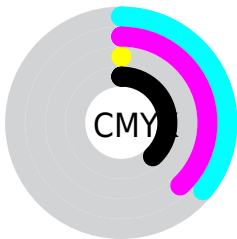
Blue (62%)



Red (40%)

Yellow (39%)

Blue (62%)

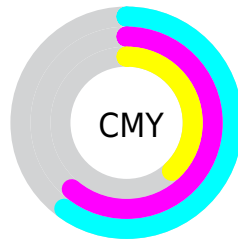


Cyan (36%)

Magenta (38%)

Yellow (0%)

Black (38%)



Cyan (60%)

Magenta (61%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1993, 14.2517, 34.6979 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 16.1993, 14.2517, 34.6979 by changing the saturation by 10% instead.

■ 16.1993, 14.2517,
34.6979

■ 16.1993, 14.2517,
34.6979

223.7622,
218.7911, 338.0965

■ 9.7570, 8.2959,
23.1486

■ 36.4985, 33.5350,
68.1638

■ 5.2992, 4.2849,
14.4969

■ 51.0862, 47.6313,
90.9174

■ 2.4604, 1.8342,
8.3244

■ 69.1197, 65.2099,
118.2428

■ 0.8753, 0.5083,
4.2125

■ 90.9644, 86.6551,
150.5586

■ 0.0000, 0.0000,
1.7426

116.9856,
112.3515, 188.2834

■ 0.0000, 0.0000,
0.3897

147.5488,

■ 0.0000, 0.0000,

142.6834, 231.8356

0.0000

183.0192,
178.0351, 281.6338

■ 16.1993, 14.2517,
34.6979

■ 16.1993, 14.2517,
34.6979

■ 13.2800, 10.7267,
34.1716

■ 19.7282, 18.5318,
35.3383

■ 10.9342, 7.9113,
33.7518

■ 23.8968, 23.6055,
36.0979

■ 9.1246, 5.7580,
33.4316

■ 28.7352, 29.5107,
36.9827

■ 7.8088, 4.2125,
33.2026

■ 34.2710, 36.2824,
37.9980

■ 6.9378, 3.2121,
33.0554

■ 40.5305, 43.9536,
39.1488

■ 6.4401, 2.6551,
32.9742

■ 47.5384, 52.5555,
40.4398

■ 6.3576, 2.5545,
32.9591

■ 55.3182, 62.1179,
41.8755

■ 63.8926, 72.6693,
43.4602

■ 73.2832, 84.2368,
45.1980

Harmonies

Analogous

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



13.2106, 14.2517, 37.6086



16.1993, 14.2517, 34.6979



18.7641, 14.2517, 26.1253

Triad

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



16.1993, 14.2517, 34.6979



16.8680, 14.2517, 5.6281



8.6974, 14.2517, 14.5696

Complementary

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



16.1993, 14.2517, 34.6979



28.3609, 32.7653, 16.6345

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.



9.3975, 14.2517, 8.2581



16.1993, 14.2517, 34.6979



13.8867, 14.2517, 4.3959

Square

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



16.1993, 14.2517, 34.6979



19.1873, 14.2517, 9.4089



11.1992, 14.2517, 5.1499



9.1351, 14.2517, 23.8234

Rectangle

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



16.1993, 14.2517, 34.6979



19.7413, 14.2517, 19.5523



11.1992, 14.2517, 5.1499



8.8046, 14.2517, 12.0802

Sweetspot

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



16.1998, 14.2522, 34.6982



48.3119, 49.0032, 65.6557



23.4610, 29.2701, 37.2143



10.6418, 10.7425, 14.7563



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.



16.1998, 14.2522, 34.6982



24.6852, 20.2972, 61.3601



20.0804, 16.2527, 34.8798



6.3139, 6.4503, 8.3189



5.0321, 2.0232, 26.0325



0.0980, 0.0403, 0.4658

Inverse Universe

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



24.7611, 18.6954, 33.7564



42.2283, 29.4055, 59.2671



23.4031, 30.2095, 16.4025



6.8898, 6.7489, 8.2710



15.7129, 7.5897, 23.8031



0.2849, 0.1373, 0.4462

Previews

White Background



This preview shows how the XYZ color 16.1993, 14.2517, 34.6979 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 16.1993, 14.2517, 34.6979 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 16.1993, 14.2517, 34.6979

Background



This preview shows how black text looks on a background with the XYZ color 16.1993, 14.2517, 34.6979.

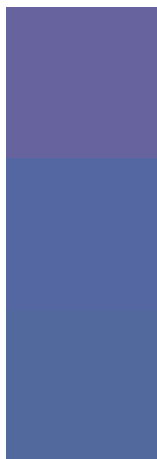


This preview shows how white text looks on a background with the XYZ color 16.1993, 14.2517,

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

16.1993, 14.2517, 34.6979

Protanopia

15.1173, 14.2297, 36.6002

Deuteranopia

14.7028, 14.3656, 34.3457



Tritanopia

12.9286, 14.2614, 18.5943

Trichromacy



Original Color

16.1993, 14.2517, 34.6979

Protanomaly

15.5873, 14.3355, 36.1279

Deuteranomaly

15.1416, 14.2930, 34.3085

Tritanomaly

14.0403, 14.2559, 23.8415

Monochromacy



Original Color

16.1993, 14.2517, 34.6979

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.5419, 14.4102, 21.7537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1993, 14.2517, 34.6979 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(102, 99, 159)` looks like.

```
.text, #text, p{  
    color:rgb(102, 99, 159)  
}
```

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(102, 99, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 99, 159) }
```

Border

The CSS property to change the border of an element to XYZ 16.1993, 14.2517, 34.6979 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(102, 99, 159) }
```


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

```
.border{ border-color:rgb(102, 99, 159) }
```

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

Here you see how a box with a 4 pixel rgb(102, 99, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 99, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 99, 159);  
box-shadow:4px 4px 4px 4px rgb(102, 99,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1993, 14.2517, 34.6979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 99, 159) }
```

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

```
.background{ background-color: rgb(102, 99,  
159) }
```

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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