

Converting Colors

XYZ(14.1952, 16.3971, 35.4146)

Have a look what the booklet for
XYZ(14.1952, 16.3971, 35.4146)
contains.

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Color

**XYZ(14.1702, 16.3750,
35.2147)**

Conversions

Conversions Part 1

Format	Color
Hex	32779F
RGB	50, 119, 159
RGB Percent	20%, 47%, 62%
CMY	0.8039, 0.5333, 0.3765
CMYK	0.69, 0.25, 0.00, 0.38
HSL	202°, 52%, 41%
HSV	202°, 69%, 62%
XYZ	14.1702, 16.3750, 35.2147
YIQ	102.9290, -53.9640, -2.1880

Conversions

Conversions Part 2

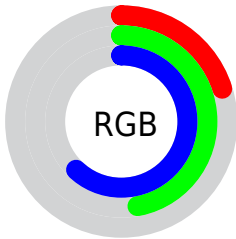
Format	Color
RYB	50, 92, 159
Decimal	3307423
CIELab	47.46, -8.42, -27.86
CIElCh	47, 29.110, 253.183
Yxy	16.3750, 0.2155, 0.2490
Android (android.graphics.Color)	4281497503 (0xFF32779F)
YUV	102.9290, 27.6430, -46.4187
Hunter-Lab	40.4660, -8.3093, -23.2696

Details

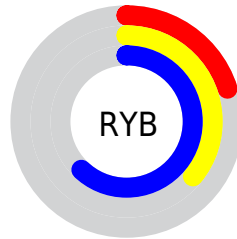
The XYZ color **14.1702, 16.3750, 35.2147** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **18.5306, 14.9144, 4.9203**, and the grayscale version is **12.8135, 13.4808, 14.6806**.

A 20% lighter version of the original color is **33.0072, 37.2321, 69.0652**, and **4.9071, 5.5680, 14.7260** is the 20% darker color. If you saturate the color by 10%, you get **12.8450, 14.6926, 34.9601**, and if you desaturate by 10%, it is **15.8114, 18.2842, 35.4970**.

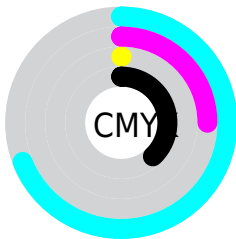
Distribution



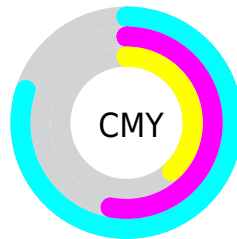
- Red (20%)
- Green (47%)
- Blue (62%)



- Red (20%)
- Yellow (36%)
- Blue (62%)



- Cyan (69%)
- Magenta (25%)
- Yellow (0%)
- Black (38%)



- Cyan (80%)
- Magenta (53%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1702, 16.3750, 35.2147 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 14.1702, 16.3750, 35.2147 by changing the saturation by 10% instead.

■ 14.1702, 16.3750,
35.2147

■ 14.1702, 16.3750,
35.2147

211.7766,
231.5445, 340.4480

■ 8.3216, 9.7899,
23.5434

■ 32.9745, 37.2480,
68.9736

■ 4.3550, 5.2599,
14.7862

■ 46.6609, 52.3047,
91.8983

■ 1.9048, 2.4005,
8.5245

■ 63.6906, 70.9541,
119.4112

■ 0.5797, 0.8262,
4.3398

■ 84.4290, 93.5805,
151.9309

■ 0.0000, 0.0000,
1.8136

■ 109.2415,
120.5683, 189.8758

■ 0.0000, 0.0000,
0.4369

138.4933,

■ 0.0000, 0.0000,

152.3020, 233.6647

0.0000

172.5499,
189.1659, 283.7159

■ 14.1702, 16.3750,
35.2147

■ 14.1702, 16.3750,
35.2147

■ 12.8450, 14.6926,
34.9601

■ 15.8114, 18.2842,
35.4970

■ 11.8037, 13.2186,
34.7305

■ 17.7931, 20.4329,
35.8073

■ 10.9890, 11.9223,
34.5232

■ 20.1391, 22.8350,
36.1473

■ 10.8779, 11.7430,
34.4945

■ 22.8702, 25.5021,
36.5182

■ 26.0060, 28.4453,
36.9210

■ 29.5643, 31.6750,
37.3569

■ 33.5620, 35.2006,
37.8267

■ 38.0149, 39.0313,
38.3314

■ 42.9381, 43.1760,
38.8719

Harmonies

Analogous

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



12.2147, 16.3750, 29.4483



14.1702, 16.3750, 35.2147



16.7249, 16.3750, 35.5836

Triad

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



14.1702, 16.3750, 35.2147



20.9204, 16.3750, 14.7771



12.4053, 16.3750, 9.3360

Complementary

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



14.1702, 16.3750, 35.2147



18.5306, 14.9144, 4.9203

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.



14.4580, 16.3750, 7.2534



14.1702, 16.3750, 35.2147



19.4755, 16.3750, 9.7567

Square

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



14.1702, 16.3750, 35.2147



20.8212, 16.3750, 22.2717



17.0462, 16.3750, 7.3824



11.2757, 16.3750, 14.0213

Rectangle

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



14.1702, 16.3750, 35.2147



18.4449, 16.3750, 32.5879



17.0462, 16.3750, 7.3824



12.9998, 16.3750, 8.3749

Sweetspot

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



14.1708, 16.3756, 35.2151



44.8982, 49.3893, 65.9102



15.5581, 26.2124, 13.9057



9.7910, 10.8247, 14.8170



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.



14.1708, 16.3756, 35.2151



22.0101, 24.9459, 62.3984



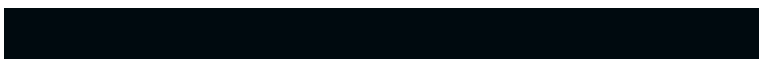
9.4376, 6.9093, 33.6374



6.6170, 7.0998, 8.4283



8.6324, 9.3564, 27.2582



0.1935, 0.2456, 0.5004

Inverse Universe

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



18.7689, 10.9846, 18.5844



31.3380, 16.5607, 28.0888



24.9183, 27.6899, 7.0496



6.8008, 6.7132, 7.8020



13.1555, 6.5667, 10.3355



0.2550, 0.1253, 0.2889

Previews

White Background



This preview shows how the XYZ color 14.1702, 16.3750, 35.2147 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 14.1702, 16.3750, 35.2147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

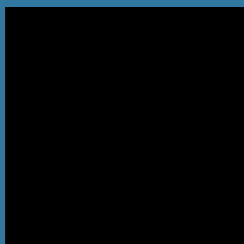
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

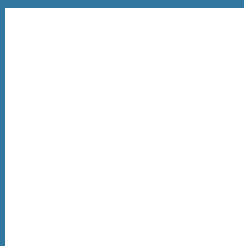
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.1702, 16.3750, 35.2147

Background



This preview shows how black text looks on a background with the XYZ color 14.1702, 16.3750, 35.2147.

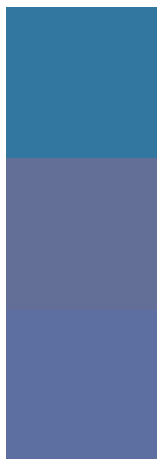


This preview shows how white text looks on a background with the XYZ color 14.1702, 16.3750,

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

14.1702, 16.3750, 35.2147

Protanopia

16.6075, 16.3452, 31.9854

Deuteranopia

16.6317, 16.2692, 35.9819



Tritanopia

12.1379, 16.4599, 25.0916

Trichromacy



Original Color

14.1702, 16.3750, 35.2147

Protanomaly

15.4134, 16.1950, 33.3239

Deuteranomaly

15.4230, 16.1505, 35.5622

Tritanomaly

12.7542, 16.3336, 28.4671

Monochromacy



Original Color

14.1702, 16.3750, 35.2147

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6999, 14.2522, 20.8205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1702, 16.3750, 35.2147 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(50, 119, 159)` looks like.

```
.text, #text, p{  
    color:rgb(50, 119, 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(50, 119, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 119, 159) }
```

Border

The CSS property to change the border of an element to XYZ 14.1702, 16.3750, 35.2147 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(50, 119, 159) }
```


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

```
.border{ border-color:rgb(50, 119, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 119, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 119, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 119, 159);  
box-shadow:4px 4px 4px 4px rgb(50, 119,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1702, 16.3750, 35.2147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 119, 159) }
```

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

```
.background{ background-color: rgb(50, 119,  
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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