

Converting Colors

XYZ(14.7283, 14.4297, 36.1915)

Have a look what the booklet for
XYZ(14.7283, 14.4297, 36.1915)
contains.

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Color

**XYZ(14.7362, 14.4945,
36.2035)**

Conversions

Conversions Part 1

Format	Color
Hex	4D6AA2
RGB	77, 106, 162
RGB Percent	30%, 42%, 64%
CMY	0.6980, 0.5843, 0.3647
CMYK	0.52, 0.35, 0.00, 0.36
HSL	220°, 36%, 47%
HSV	220°, 52%, 64%
XYZ	14.7362, 14.4945, 36.2035
YIQ	103.7130, -35.2600, 11.2680

Conversions

Conversions Part 2

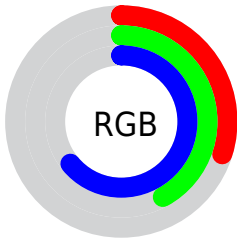
Format	Color
R_{YB}	77, 99, 162
Decimal	5073570
CIE _{Lab}	44.93, 5.96, -33.50
CIE _{LCh}	45, 34.024, 280.092
Yxy	14.4945, 0.2252, 0.2215
Android (android.graphics.Color)	4283263650 (0xFF4D6AA2)
YUV	103.7130, 28.7355, -23.4273
Hunter-Lab	38.0716, 2.4657, -29.7305

Details

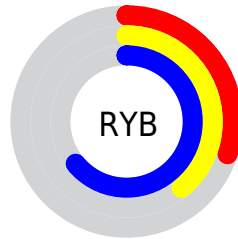
The XYZ color **14.7362, 14.4945, 36.2035** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **24.6281, 24.9932, 10.5480**, and the grayscale version is **13.0145, 13.6923, 14.9109**.

A 20% lighter version of the original color is **33.9414, 33.9490, 70.4095**, and **4.6096, 4.3729, 15.3530** is the 20% darker color. If you saturate the color by 10%, you get **12.5559, 11.8383, 35.8060**, and if you desaturate by 10%, it is **17.3800, 17.5934, 36.6626**.

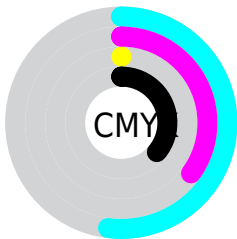
Distribution



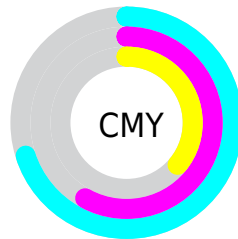
- Red (30%)
- Green (42%)
- Blue (64%)



- Red (30%)
- Yellow (39%)
- Blue (64%)



- Cyan (52%)
- Magenta (35%)
- Yellow (0%)
- Black (36%)



- Cyan (70%)
- Magenta (58%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7362, 14.4945, 36.2035 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 14.7362, 14.4945, 36.2035 by changing the saturation by 10% instead.

■ 14.7362, 14.4945,
36.2035

■ 14.7362, 14.4945,
36.2035

215.1841,
220.2858, 344.9134

■ 8.7196, 8.4654,
24.3005

■ 33.9652, 33.9639,
70.5186

■ 4.6144, 4.3942,
15.3424

■ 47.9083, 48.1730,
93.7678

■ 2.0552, 1.8964,
8.9108

■ 65.2242, 65.8775,
121.6361

■ 0.6647, 0.5462,
4.5870

■ 86.2783, 87.4619,
154.5421

■ 0.0000, 0.0000,
1.9526

■ 111.4360,
113.3106, 192.9042

■ 0.0000, 0.0000,
0.5259

141.0627,

■ 0.0000, 0.0000,

143.8078, 237.1412

0.0000

175.5236,
179.3381, 287.6714

■ 14.7362, 14.4945,
36.2035

■ 14.7362, 14.4945,
36.2035

■ 12.5559, 11.8383,
35.8060

■ 17.3800, 17.5934,
36.6626

■ 10.8079, 9.6004,
35.4662

■ 20.5126, 21.1544,
37.1848

■ 9.4592, 7.7564,
35.1813

■ 24.1591, 25.1973,
37.7730

■ 8.4708, 6.2776,
34.9480

■ 28.3426, 29.7405,
38.4294

■ 7.9006, 5.3666,
34.8022

■ 33.0845, 34.8011,
39.1563

■ 38.4052, 40.3956,
39.9557

■ 44.3238, 46.5396,
40.8297

■ 50.8588, 53.2479,
41.7801

■ 58.0276, 60.5351,
42.8088

Harmonies

Analogous

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



12.0327, 14.4945, 35.0351



14.7362, 14.4945, 36.2035



17.5203, 14.4945, 30.6588

Triad

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



14.7362, 14.4945, 36.2035



18.2918, 14.4945, 7.8235



9.3308, 14.4945, 11.1154

Complementary

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



14.7362, 14.4945, 36.2035



24.6281, 24.9932, 10.5480

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.



10.6082, 14.4945, 6.7179



14.7362, 14.4945, 36.2035



15.6813, 14.4945, 5.3093

Square

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



14.7362, 14.4945, 36.2035



19.7487, 14.4945, 13.2448



12.8596, 14.4945, 4.9876



9.1491, 14.4945, 18.6242

Rectangle

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



14.7362, 14.4945, 36.2035



18.9583, 14.4945, 24.7287



12.8596, 14.4945, 4.9876



9.6372, 14.4945, 9.3047

Sweetspot

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



14.7367, 14.4950, 36.2039



48.4212, 50.7168, 69.2934



20.1635, 29.0917, 26.4728



10.5419, 11.0289, 15.5107



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.



14.7367, 14.4950, 36.2039



22.1897, 20.7341, 64.8887



13.3683, 10.0783, 35.4235



6.8888, 7.2366, 8.9368



6.2609, 4.3013, 27.4300



0.1741, 0.1754, 0.5905

Inverse Universe

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



20.1562, 14.0304, 15.2819



33.4226, 20.8883, 21.2731



26.7005, 32.7900, 11.9437



7.1689, 7.1240, 7.8756



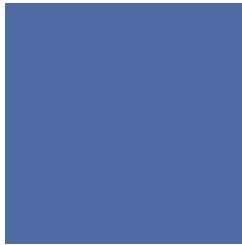
12.3057, 6.2783, 3.5345



0.2800, 0.1405, 0.1872

Previews

White Background



This preview shows how the XYZ color 14.7362, 14.4945, 36.2035 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 14.7362, 14.4945, 36.2035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

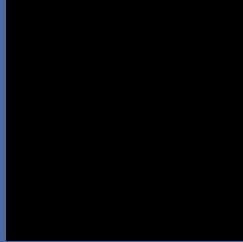
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

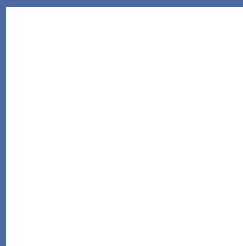
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.7362, 14.4945, 36.2035

Background



This preview shows how black text looks on a background with the XYZ color 14.7362, 14.4945, 36.2035.

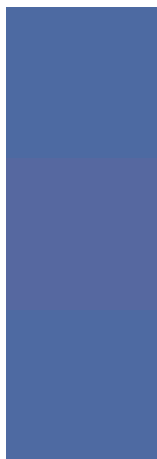


This preview shows how white text looks on a background with the XYZ color 14.7362, 14.4945,

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

14.7362, 14.4945, 36.2035

Protanopia

15.1332, 14.4171, 35.2429

Deuteranopia

14.8175, 14.5364, 36.2073



Tritanopia

11.7068, 14.5547, 20.9312

Trichromacy



Original Color

14.7362, 14.4945, 36.2035

Protanomaly

15.0519, 14.5154, 35.7266

Deuteranomaly

14.8175, 14.5364, 36.2073

Tritanomaly

12.6540, 14.4402, 25.7872

Monochromacy



Original Color

14.7362, 14.4945, 36.2035

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.3693, 13.9635, 21.3926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7362, 14.4945, 36.2035 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, 106, 162)` looks like.

```
.text, #text, p{  
    color:rgb(77, 106, 162)  
}
```

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, 106, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 106, 162) }
```

Border

The CSS property to change the border of an element to XYZ 14.7362, 14.4945, 36.2035 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, 106, 162) }
```


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

```
.border{ border-color:rgb(77, 106, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 106, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 106, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 106, 162);  
box-shadow:4px 4px 4px 4px rgb(77, 106,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7362, 14.4945, 36.2035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 106, 162) }
```

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

```
.background{ background-color: rgb(77, 106,  
162) }
```

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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