

Converting Colors

XYZ(16.4572, 14.2533, 47.6902)

Have a look what the booklet for
XYZ(16.4572, 14.2533, 47.6902)
contains.

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Color

**XYZ(16.4560, 14.2368,
47.7796)**

Conversions

Conversions Part 1

Format	Color
Hex	4E64B9
RGB	78, 100, 185
RGB Percent	31%, 39%, 73%
CMY	0.6941, 0.6078, 0.2745
CMYK	0.58, 0.46, 0.00, 0.27
HSL	228°, 43%, 52%
HSV	228°, 58%, 73%
XYZ	16.4560, 14.2368, 47.7796
YIQ	103.1120, -40.3970, 21.7710

Conversions

Conversions Part 2

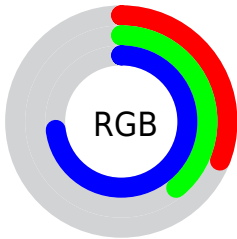
Format	Color
R_{YB}	78, 96, 185
Decimal	5137593
CIE _{Lab}	44.57, 17.60, -47.55
CIE _{LCh}	45, 50.700, 290.306
Yxy	14.2368, 0.2097, 0.1814
Android (android.graphics.Color)	4283327673 (0xFF4E64B9)
YUV	103.1120, 40.3708, -22.0232
Hunter-Lab	37.7317, 11.8191, -48.6667

Details

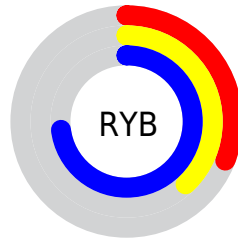
The XYZ color **16.4560, 14.2368, 47.7796** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **34.4811, 37.0606, 12.5448**, and the grayscale version is **12.8265, 13.4945, 14.6955**.

A 20% lighter version of the original color is **37.0853, 33.6949, 88.5536**, and **5.4159, 4.2770, 22.0128** is the 20% darker color. If you saturate the color by 10%, you get **13.8632, 10.9931, 47.2905**, and if you desaturate by 10%, it is **19.7306, 18.2098, 48.3742**.

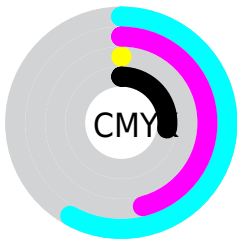
Distribution



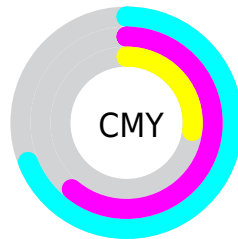
- Red (31%)
- Green (39%)
- Blue (73%)



- Red (31%)
- Yellow (38%)
- Blue (73%)



- Cyan (58%)
- Magenta (46%)
- Yellow (0%)
- Black (27%)



- Cyan (69%)
- Magenta (61%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4560, 14.2368, 47.7796 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 16.4560, 14.2368, 47.7796 by changing the saturation by 10% instead.

■ 16.4560, 14.2368,
47.7796

■ 16.4560, 14.2368,
47.7796

225.2355,
218.6990, 394.4013

■ 9.9403, 8.2855,
33.2936

■ 36.9391, 33.5086,
88.2383

■ 5.4213, 4.2782,
22.0785

■ 51.6373, 47.5980,
115.0481

■ 2.5338, 1.8304,
13.7157

■ 69.7936, 65.1688,
146.8029

■ 0.9123, 0.5060,
7.7867

■ 91.7735, 86.6055,
183.9213

■ 0.0000, 0.0000,
3.8730

■ 117.9423,
112.2925, 226.8218

■ 0.0000, 0.0000,
1.5559

148.6653,

■ 0.0000, 0.0000,

142.6141, 275.9229

0.2591

184.3079,
177.9549, 331.6433

■ 0.0000, 0.0000,
0.0000

■ 16.4560, 14.2368,
47.7796

■ 16.4560, 14.2368,
47.7796

■ 13.8632, 10.9931,
47.2905

■ 19.7306, 18.2098,
48.3742

■ 11.9000, 8.4310,
46.8994

■ 23.7303, 22.9527,
49.0789

■ 10.5090, 6.4988,
46.5998

■ 28.4970, 28.5049,
49.8993

■ 9.6075, 5.1293,
46.3829

■ 34.0688, 34.9023,
50.8405

■ 9.4511, 4.8911,
46.3452

■ 40.4809, 42.1790,
51.9070

■ 47.7669, 50.3667,
53.1034

■ 55.9581, 59.4960,
54.4338

■ 65.0845, 69.5957,
55.9023

■ 75.1745, 80.6936,
57.5125

Harmonies

Analogous

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



12.2472, 14.2368, 50.1055



16.4560, 14.2368, 47.7796



20.5492, 14.2368, 34.8544

Triad

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



16.4560, 14.2368, 47.7796



19.2169, 14.2368, 3.8106



7.1535, 14.2368, 12.0022

Complementary

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



16.4560, 14.2368, 47.7796



34.4811, 37.0606, 12.5448

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.



8.3269, 14.2368, 5.0908



16.4560, 14.2368, 47.7796



14.9029, 14.2368, 2.1978

Square

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



16.4560, 14.2368, 47.7796



22.3533, 14.2368, 8.9122



10.9761, 14.2368, 2.5050



7.4031, 14.2368, 24.7309

Rectangle

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



16.4560, 14.2368, 47.7796



22.3936, 14.2368, 24.4224



10.9761, 14.2368, 2.5050



7.3838, 14.2368, 9.0700

Sweetspot

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



16.4566, 14.2373, 47.7800



61.6162, 63.1936, 91.1547



26.9968, 38.9203, 40.1873



12.8273, 13.1028, 19.5746



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



16.4566, 14.2373, 47.7800



23.9265, 18.5317, 84.5205



17.7052, 12.1606, 47.3133



8.6667, 9.0106, 11.3619



6.4786, 3.4169, 31.5711



0.2728, 0.2093, 1.1278

Inverse Universe

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



25.0328, 16.6840, 13.9578



41.0259, 24.5007, 16.8402



32.1817, 42.1858, 13.6552



9.0781, 9.0416, 9.7588



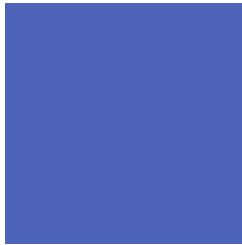
13.8838, 7.1273, 2.0088



0.5118, 0.2602, 0.1888

Previews

White Background



This preview shows how the XYZ color 16.4560, 14.2368, 47.7796 looks on a white background.

Color Contrast Check

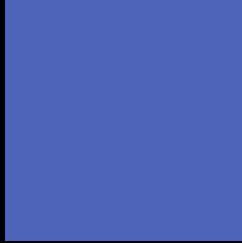
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4560, 14.2368, 47.7796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

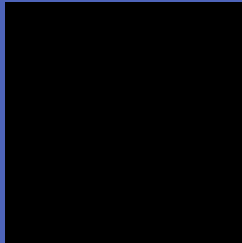
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4560, 14.2368, 47.7796

Background



This preview shows how black text looks on a background with the XYZ color 16.4560, 14.2368, 47.7796.



This preview shows how white text looks on a background with the XYZ color 16.4560, 14.2368,

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

16.4560, 14.2368, 47.7796

Protanopia

15.9010, 14.2144, 48.9193

Deuteranopia

14.5763, 14.1781, 46.7681



Tritanopia

11.0607, 14.2216, 20.9010

Trichromacy



Original Color

16.4560, 14.2368, 47.7796

Protanomaly

16.0424, 14.1546, 48.3410

Deuteranomaly

15.1234, 14.1456, 47.2807

Tritanomaly

12.6436, 14.0367, 29.2371

Monochromacy



Original Color

16.4560, 14.2368, 47.7796

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.6011, 13.5759, 24.0939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4560, 14.2368, 47.7796 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(78, 100, 185)` looks like.

```
.text, #text, p{  
    color:rgb(78, 100, 185)  
}
```

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(78, 100, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 100, 185) }
```

Border

The CSS property to change the border of an element to XYZ 16.4560, 14.2368, 47.7796 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(78, 100, 185) }
```


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

```
.border{ border-color:rgb(78, 100, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 100, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 100, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 100, 185);  
box-shadow:4px 4px 4px 4px rgb(78, 100,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4560, 14.2368, 47.7796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 100, 185) }
```

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

```
.background{ background-color: rgb(78, 100,  
185) }
```

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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