

Converting Colors

XYZ(16.4342, 11.2510, 53.4715)

Have a look what the booklet for
XYZ(16.4342, 11.2510, 53.4715)
contains.

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Color

**XYZ(16.4554, 11.2717,
53.5329)**

Conversions

Conversions Part 1

Format	Color
Hex	564DC4
RGB	86, 77, 196
RGB Percent	34%, 30%, 77%
CMY	0.6627, 0.6980, 0.2314
CMYK	0.56, 0.61, 0.00, 0.23
HSL	245°, 50%, 54%
HSV	245°, 61%, 77%
XYZ	16.4554, 11.2717, 53.5329
YIQ	93.2570, -32.8350, 38.9170

Conversions

Conversions Part 2

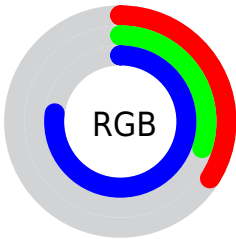
Format	Color
R_{YB}	86, 77, 196
Decimal	5656004
CIE _{Lab}	40.03, 37.14, -61.24
CIE _{LCh}	40, 71.625, 301.238
Yxy	11.2717, 0.2025, 0.1387
Android (android.graphics.Color)	4283846084 (0xFF564DC4)
YUV	93.2570, 50.6523, -6.3644
Hunter-Lab	33.5734, 28.7353, -71.0369

Details

The XYZ color **16.4554, 11.2717, 53.5329** is a dark color, and the websafe version is hex **333399**. The color can be described as dark muted blue. A complement of this color would be **41.5721, 50.5802, 14.5931**, and the grayscale version is **10.3558, 10.8951, 11.8648**.

A 20% lighter version of the original color is **37.1558, 28.3542, 97.2805**, and **5.4119, 3.0013, 25.4934** is the 20% darker color. If you saturate the color by 10%, you get **13.8229, 8.1765, 53.0745**, and if you desaturate by 10%, it is **19.9248, 15.4116, 54.1494**.

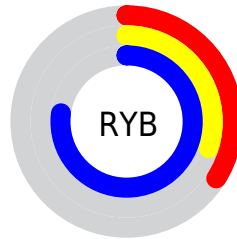
Distribution



Red (34%)

Green (30%)

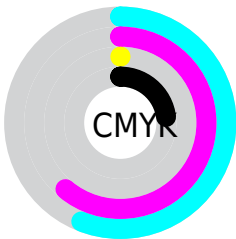
Blue (77%)



Red (34%)

Yellow (30%)

Blue (77%)

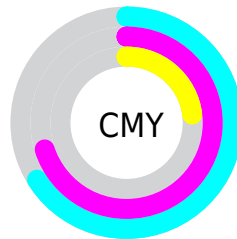


Cyan (56%)

Magenta (61%)

Yellow (0%)

Black (23%)



Cyan (66%)

Magenta (70%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4554, 11.2717, 53.5329 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 16.4554, 11.2717, 53.5329 by changing the saturation by 10% instead.

■ 16.4554, 11.2717,
53.5329

■ 16.4554, 11.2717,
53.5329

225.2321,
199.5222, 417.4504

■ 9.9399, 6.2499,
37.8377

■ 36.9381, 28.1615,
96.8375

■ 5.4211, 2.9976,
25.5559

■ 51.6360, 40.7983,
125.2841

■ 2.5336, 1.1305,
16.2689

■ 69.7920, 56.7422,
158.8182

■ 0.9123, 0.0038,
9.5582

■ 91.7716, 76.3776,
197.8583

■ 0.0000, 0.0000,
5.0053

■ 117.9400,
100.0889, 242.8231

■ 0.0000, 0.0000,
2.1916

148.6627,

■ 0.0000, 0.0000,

128.2605, 294.1310

0.6695

184.3049,
161.2768, 352.2006

■ 0.0000, 0.0000,
0.0000

■ 16.4554, 11.2717,
53.5329

■ 16.4554, 11.2717,
53.5329

■ 13.8229, 8.1765,
53.0745

■ 19.9248, 15.4116,
54.1494

■ 11.9547, 6.0313,
52.7589

■ 24.2923, 20.6776,
54.9357

■ 10.7684, 4.7262,
52.5695

■ 29.6152, 27.1441,
55.9033

■ 10.1581, 4.0857,
52.4780

■ 35.9457, 34.8789,
57.0626

■ 43.3321, 43.9447,
58.4231

■ 51.8195, 54.4001,
59.9939

■ 61.4506, 66.3001,
61.7832

■ 72.2657, 79.6968,
63.7990

■ 84.3032, 94.6397,
66.0488

Harmonies

Analogous

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



10.9207, 11.2717, 64.7888



16.4554, 11.2717, 53.5329



21.4291, 11.2717, 30.6500

Triad

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



16.4554, 11.2717, 53.5329



15.9851, 11.2717, 0.4360



3.7304, 11.2717, 12.8723

Complementary

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



16.4554, 11.2717, 53.5329



41.5721, 50.5802, 14.5931

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.



4.3419, 11.2717, 3.2669



16.4554, 11.2717, 53.5329



10.5088, 11.2717, 0.0000

Square

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



16.4554, 11.2717, 53.5329



21.1038, 11.2717, 2.8621



6.4918, 11.2717, 0.5442



4.4557, 11.2717, 32.5691

Rectangle

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



16.4554, 11.2717, 53.5329



23.1641, 11.2717, 16.9183



6.4918, 11.2717, 0.5442



3.7846, 11.2717, 8.5668

Sweetspot

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



16.4560, 11.2720, 53.5332



68.1919, 66.9524, 103.9367



31.0220, 41.5585, 58.6114



13.7992, 13.3544, 22.1003



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



16.4560, 11.2720, 53.5332



23.7305, 13.2939, 95.9230



24.1953, 15.2618, 53.8954



9.5974, 9.7836, 12.6674



6.5560, 2.6402, 33.7207



0.3080, 0.1268, 1.4581

Inverse Universe

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



34.3882, 20.6313, 49.1812



59.2233, 31.8436, 86.1770



30.0672, 44.6492, 14.0547



10.4633, 10.2339, 12.5305



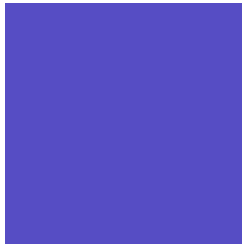
20.0120, 9.6945, 29.0388



0.8746, 0.4229, 1.3072

Previews

White Background



This preview shows how the XYZ color 16.4554, 11.2717, 53.5329 looks on a white background.

Color Contrast Check

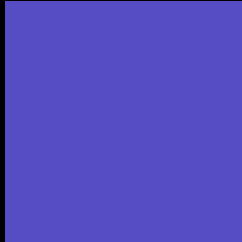
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4554, 11.2717, 53.5329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

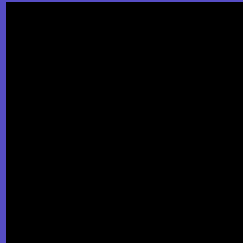
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4554, 11.2717, 53.5329

Background



This preview shows how black text looks on a background with the XYZ color 16.4554, 11.2717, 53.5329.



This preview shows how white text looks on a background with the XYZ color 16.4554, 11.2717,

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

16.4554, 11.2717, 53.5329

Protanopia

13.2555, 11.2879, 51.3493

Deuteranopia

11.0658, 11.1189, 37.6393



Tritanopia

8.9364, 11.1900, 16.4407

Trichromacy



Original Color

16.4554, 11.2717, 53.5329

Protanomaly

13.5185, 10.7971, 51.8236

Deuteranomaly

12.0733, 10.6104, 43.0067

Tritanomaly

10.8148, 10.7012, 26.6948

Monochromacy



Original Color

16.4554, 11.2717, 53.5329

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.6539, 10.6018, 22.5512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4554, 11.2717, 53.5329 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(86, 77, 196)` looks like.

```
.text, #text, p{  
    color:rgb(86, 77, 196)  
}
```

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(86, 77, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 77, 196) }
```

Border

The CSS property to change the border of an element to XYZ 16.4554, 11.2717, 53.5329 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(86, 77, 196) }
```


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

```
.border{ border-color:rgb(86, 77, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 77, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 77, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 77, 196);  
box-shadow:4px 4px 4px 4px rgb(86, 77,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4554, 11.2717, 53.5329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 77, 196) }
```

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

```
.background{ background-color: rgb(86, 77,  
196) }
```

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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