

Converting Colors

XYZ(5.8824, 5.6654, 17.5123)

Have a look what the booklet for
XYZ(5.8824, 5.6654, 17.5123)
contains.

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Color

**XYZ(5.8777, 5.6387,
17.6082)**

Conversions

Conversions Part 1

Format	Color
Hex	224375
RGB	34, 67, 117
RGB Percent	13%, 26%, 46%
CMY	0.8666, 0.7373, 0.5412
CMYK	0.71, 0.43, 0.00, 0.54
HSL	216°, 55%, 30%
HSV	216°, 71%, 46%
XYZ	5.8777, 5.6387, 17.6082
YIQ	62.8330, -35.7180, 8.5540

Conversions

Conversions Part 2

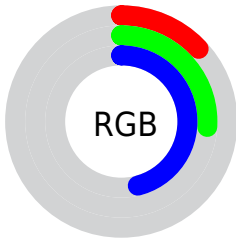
Format	Color
R_{YB}	34, 58, 117
Decimal	2245493
CIE _{Lab}	28.48, 5.99, -32.27
CIE _{LCh}	28, 32.822, 280.518
Yxy	5.6387, 0.2018, 0.1936
Android (android.graphics.Color)	4280435573 (0xFF224375)
YUV	62.8330, 26.7043, -25.2865
Hunter-Lab	23.7459, 2.6277, -27.3428




Details

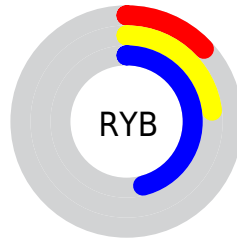
The XYZ color **5.8777, 5.6387, 17.6082** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **10.7957, 10.2389, 2.9210**, and the grayscale version is **4.6662, 4.9092, 5.3461**.




A 20% lighter version of the original color is **17.4120, 17.2499, 39.9480**, and **1.3910, 1.1126, 5.6103** is the 20% darker color. If you saturate the color by 10%, you get **5.1619, 4.6851, 17.4620**, and if you desaturate by 10%, it is **6.7764, 6.7625, 17.7779**.

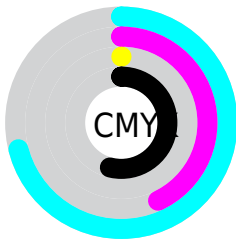
Distribution







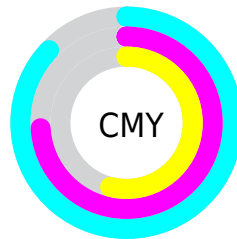
-  Red (13%)
-  Green (26%)
-  Blue (46%)






-  Red (13%)
-  Yellow (23%)
-  Blue (46%)



-  Cyan (71%)
-  Magenta (43%)
-  Yellow (0%)
-  Black (54%)



-  Cyan (87%)
-  Magenta (74%)
-  Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 5.8777, 5.6387, 17.6082 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 5.8777, 5.6387, 17.6082 by changing the saturation by 10% instead.

■ 5.8777, 5.6387,
17.6082

■ 5.8777, 5.6387,
17.6082

152.7405,
155.8183, 250.8148

■ 2.8108, 2.6267,
10.5025

■ 17.4047, 17.1768,
40.1734

■ 1.0545, 0.9401,
5.6235

■ 26.5956, 26.4716,
56.4701

■ 0.0000, 0.0000,
2.5525

■ 38.5584, 38.6295,
76.6675

■ 0.0000, 0.0000,
0.8678

■ 53.6587, 54.0348,
101.1842

■ 0.0000, 0.0000,
0.0000

■ 72.2616, 73.0719,
130.4388

■ 94.7327, 96.1253,

164.8497

121.4372,
123.5793, 204.8355

■ 5.8777, 5.6387,
17.6082

■ 5.8777, 5.6387,
17.6082

■ 5.1619, 4.6851,
17.4620

■ 6.7764, 6.7625,
17.7779

■ 4.6124, 3.8902,
17.3375

■ 7.8711, 8.0655,
17.9717

■ 4.2081, 3.2788,
17.2408

■ 9.1743, 9.5569,
18.1909

■ 10.6973, 11.2446,
18.4364

■ 12.4505, 13.1364,
18.7091

■ 14.4435, 15.2394,
19.0100

■ 16.6855, 17.5603,
19.3398

■ 19.1850, 20.1057,
19.6994

■ 21.9504, 22.8816,
20.0894

Harmonies

Analogous

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



4.4929, 5.6387, 16.9723



5.8777, 5.6387, 17.6082



7.3538, 5.6387, 14.2930

Triad

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



5.8777, 5.6387, 17.6082



7.7359, 5.6387, 2.3103



3.1609, 5.6387, 3.8680

Complementary

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



5.8777, 5.6387, 17.6082



10.7957, 10.2389, 2.9210

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.



3.7627, 5.6387, 1.8853



5.8777, 5.6387, 17.6082



6.3308, 5.6387, 1.3033

Square

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



5.8777, 5.6387, 17.6082



8.5466, 5.6387, 4.8102



4.8725, 5.6387, 1.1931



3.0832, 5.6387, 7.6938

Rectangle

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



5.8777, 5.6387, 17.6082



8.1302, 5.6387, 10.8935



4.8725, 5.6387, 1.1931



3.3028, 5.6387, 3.0199

Sweetspot

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



5.8779, 5.6389, 17.6083



22.0926, 23.3073, 33.4713



8.6137, 13.6998, 10.5373



4.9198, 5.1878, 7.6710



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



5.8779, 5.6389, 17.6083



8.5945, 7.4666, 31.1252



4.7504, 2.9274, 17.1444



3.6090, 3.8067, 4.6348



4.6219, 3.5835, 18.9906



21.7347, 15.8859, 92.2810

Inverse Universe

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



8.9215, 5.3315, 5.8691



14.7004, 7.8864, 7.3418



12.9201, 16.0705, 3.9347



3.7387, 3.7228, 4.1506



8.6300, 4.3857, 3.2600



41.6574, 21.2131, 13.7912

Previews

White Background



This preview shows how the XYZ color 5.8777, 5.6387, 17.6082 looks on a white background.

Color Contrast Check

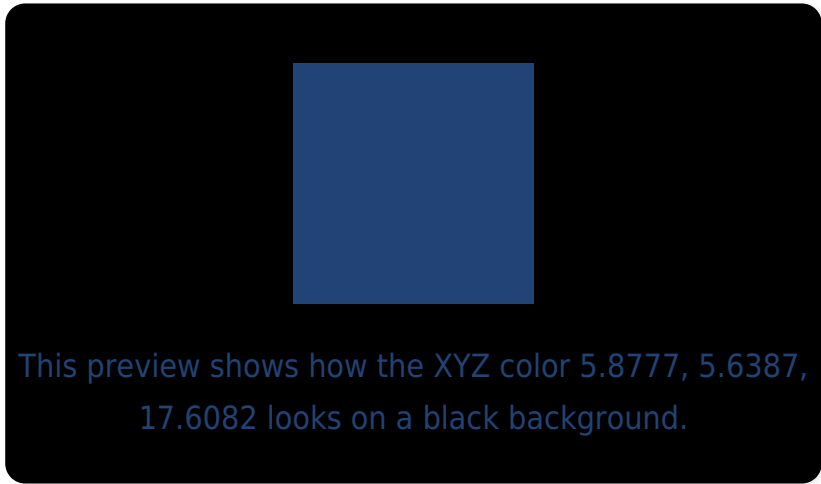
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

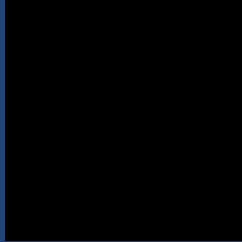
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 5.8777, 5.6387, 17.6082

Background



This preview shows how black text looks on a background with the XYZ color 5.8777, 5.6387, 17.6082.



This preview shows how white text looks on a background with the XYZ color 5.8777, 5.6387,

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

5.8777, 5.6387, 17.6082

Protanopia

6.0670, 5.5763, 16.9762

Deuteranopia

5.7300, 5.6516, 17.6185



Tritanopia

3.9640, 5.6113, 8.4636

Trichromacy



Original Color

5.8777, 5.6387, 17.6082

Protanomaly

6.0151, 5.6288, 17.2924

Deuteranomaly

5.8134, 5.6946, 17.6224

Tritanomaly

4.4448, 5.5032, 11.1839

Monochromacy



Original Color

5.8777, 5.6387, 17.6082

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

4.8109, 5.0214, 8.8993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 5.8777, 5.6387, 17.6082 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(34, 67, 117) looks like.

```
.text, #text, p{  
    color:rgb(34, 67, 117)  
}
```

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(34, 67, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 67, 117) }
```

Border

The CSS property to change the border of an element to XYZ 5.8777, 5.6387, 17.6082 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(34, 67, 117) }
```


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

```
.border{ border-color:rgb(34, 67, 117) }
```

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

Here you see how a box with a 4 pixel rgb(34, 67, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 67, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 67, 117);  
box-shadow:4px 4px 4px 4px rgb(34, 67,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 5.8777, 5.6387, 17.6082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 67, 117) }
```

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

```
.background{ background-color: rgb(34, 67,  
117) }
```

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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