

Converting Colors

XYZ(18.3404, 19.2854, 58.3233)

Have a look what the booklet for
XYZ(18.3404, 19.2854, 58.3233)
contains.

XYZ(18.4100, 19.3347, 58.6388)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.4100, 19.3347,
58.6388)**

Conversions

Conversions Part 1

Format	Color
Hex	147ECA
RGB	20, 126, 202
RGB Percent	8%, 49%, 79%
CMY	0.9215, 0.5059, 0.2078
CMYK	0.90, 0.38, 0.00, 0.21
HSL	205°, 82%, 44%
HSV	205°, 90%, 79%
XYZ	18.4100, 19.3347, 58.6388
YIQ	102.9700, -87.5720, 1.1640

Conversions

Conversions Part 2

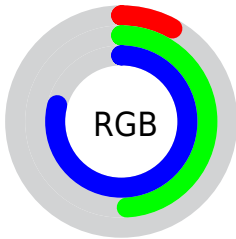
Format	Color
R_{YB}	20, 87, 202
Decimal	1343178
CIE Lab	51.08, 0.17, -47.07
CIE LCh	51, 47.070, 270.210
Yxy	19.3347, 0.1910, 0.2006
Android (android.graphics.Color)	4279533258 (0xFF147ECA)
YUV	102.9700, 48.8218, -72.7647
Hunter-Lab	43.9712, -2.2148, -48.2876

Details

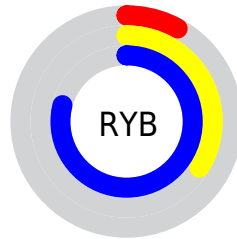
The XYZ color **18.4100, 19.3347, 58.6388** is a dark color, and the websafe version is hex **336699**. The color can be described as dark washed azure. A complement of this color would be **28.6691, 20.9777, 3.2011**, and the grayscale version is **12.7782, 13.4437, 14.6401**.

A 20% lighter version of the original color is **39.4499, 41.8856, 100.6132**, and **7.9908, 7.5554, 28.6409** is the 20% darker color. If you saturate the color by 10%, you get **17.0966, 17.1359, 58.2841**, and if you desaturate by 10%, it is **20.1303, 21.8913, 59.0420**.

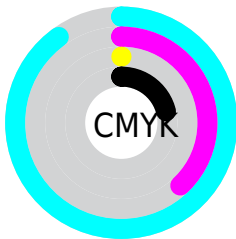
Distribution



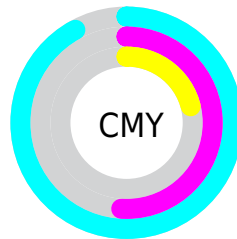
- Red (8%)
- Green (49%)
- Blue (79%)



- Red (8%)
- Yellow (34%)
- Blue (79%)



- Cyan (90%)
- Magenta (38%)
- Yellow (0%)
- Black (21%)



- Cyan (92%)
- Magenta (51%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4100, 19.3347, 58.6388 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 18.4100, 19.3347, 58.6388 by changing the saturation by 10% instead.

■ 18.4100, 19.3347,
58.6388

■ 18.4100, 19.3347,
58.6388

236.1731,
248.2903, 437.2266

■ 11.3462, 11.9124,
41.9043

■ 40.2594, 42.2989,
104.3765

■ 6.3692, 6.6840,
28.7014

■ 55.7756, 58.6096,
134.2167

■ 3.1136, 3.2653,
18.6114

■ 74.8401, 78.6518,
169.2627

■ 1.2141, 1.2718,
11.2159

■ 97.8182, 102.8100,
209.9329

■ 0.1175, 0.1192,
6.0962

■ 125.0751,
131.4686, 256.6458

■ 0.0000, 0.0000,
2.8339

156.9764,

■ 0.0000, 0.0000,

165.0119, 309.8201

1.0105

193.8873,
203.8243, 369.8741

■ 0.0000, 0.0000,
0.0000

■ 18.4100, 19.3347,
58.6388

■ 18.4100, 19.3347,
58.6388

■ 17.0966, 17.1359,
58.2841

■ 20.1303, 21.8913,
59.0420

■ 22.3536, 24.8453,
59.4950

■ 25.1388, 28.2304,
60.0016

■ 28.5351, 32.0748,
60.5647

■ 32.5861, 36.4040,
61.1868

■ 37.3309, 41.2410,
61.8703

■ 42.8054, 46.6069,
62.6175

■ 49.0430, 52.5218,
63.4304

■ 56.0748, 59.0041,
64.3110

Harmonies

Analogous

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



14.2688, 19.3347, 52.1683



18.4100, 19.3347, 58.6388



23.2734, 19.3347, 51.9958

Triad

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



18.4100, 19.3347, 58.6388



27.2760, 19.3347, 10.5860



11.6363, 19.3347, 10.6897

Complementary

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



18.4100, 19.3347, 58.6388



28.6691, 20.9777, 3.2011

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.



14.2207, 19.3347, 5.7354



18.4100, 19.3347, 58.6388



23.2067, 19.3347, 5.6959

Square

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



18.4100, 19.3347, 58.6388



28.8931, 19.3347, 20.9580



18.3441, 19.3347, 4.3898



10.7835, 19.3347, 21.1466

Rectangle

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



18.4100, 19.3347, 58.6388



26.1726, 19.3347, 42.1599



18.3441, 19.3347, 4.3898



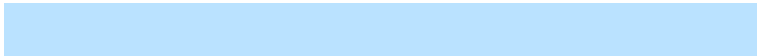
12.3071, 19.3347, 8.5145

Sweetspot

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



18.4108, 19.3353, 58.6393



65.5993, 72.2043, 105.0871



23.5141, 43.2322, 18.1352



13.3917, 14.8087, 22.4025



0.0000, 0.0000, 0.0000



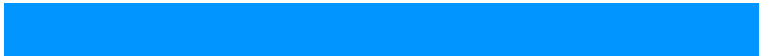
20.3446, 21.4041, 23.3091

Same Dimension

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



18.4108, 19.3353, 58.6393



28.7188, 28.5577, 98.6063



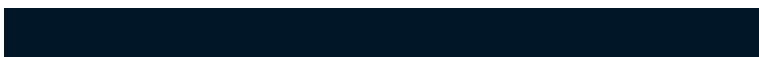
11.5564, 5.6266, 56.3545



11.1354, 11.9111, 14.2826



11.0911, 11.2061, 37.5347



0.6461, 0.7260, 1.9610

Inverse Universe

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



28.3739, 14.5643, 21.0548



46.6251, 23.4141, 30.2877



42.2194, 48.0784, 7.7179



11.4817, 11.3214, 13.0711



17.8092, 8.9343, 11.9796



0.9561, 0.4758, 0.8145

Previews

White Background



This preview shows how the XYZ color 18.4100, 19.3347, 58.6388 looks on a white 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

Black Background



This preview shows how the XYZ color 18.4100, 19.3347, 58.6388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

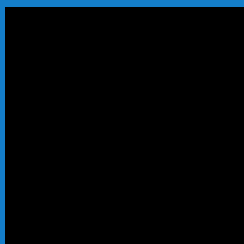
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

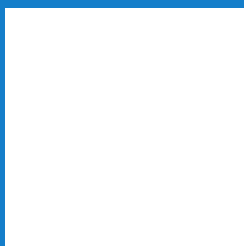
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4100, 19.3347, 58.6388

Background



This preview shows how black text looks on a background with the XYZ color 18.4100, 19.3347, 58.6388.



This preview shows how white text looks on a background with the XYZ color 18.4100, 19.3347,

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

18.4100, 19.3347, 58.6388

Protanopia

20.6431, 19.1211, 54.2325

Deuteranopia

19.9190, 19.3547, 59.1859



Tritanopia

13.6980, 19.3416, 29.3969

Trichromacy



Original Color

18.4100, 19.3347, 58.6388

Protanomaly

19.2104, 18.8758, 56.0570

Deuteranomaly

19.1291, 19.1307, 59.1843

Tritanomaly

15.1304, 19.2643, 38.5182

Monochromacy



Original Color

18.4100, 19.3347, 58.6388

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0923, 14.6494, 26.5637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4100, 19.3347, 58.6388 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(20, 126, 202)` looks like.

```
.text, #text, p{  
    color:rgb(20, 126, 202)  
}
```

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(20, 126, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 126, 202) }
```

Border

The CSS property to change the border of an element to XYZ 18.4100, 19.3347, 58.6388 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(20, 126, 202) }
```


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

```
.border{ border-color:rgb(20, 126, 202) }
```

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

Here you see how a box with a 4 pixel rgb(20, 126, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 126, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 126, 202);  
box-shadow:4px 4px 4px 4px rgb(20, 126,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4100, 19.3347, 58.6388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 126, 202) }
```

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

```
.background{ background-color: rgb(20, 126,  
202) }
```

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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