

Converting Colors

XYZ(18.4244, 20.8936, 53.9834)

Have a look what the booklet for
XYZ(18.4244, 20.8936, 53.9834)
contains.

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Color

**XYZ(18.3937, 20.8085,
54.0859)**

Conversions

Conversions Part 1

Format	Color
Hex	1385C2
RGB	19, 133, 194
RGB Percent	7%, 52%, 76%
CMY	0.9254, 0.4784, 0.2392
CMYK	0.90, 0.31, 0.00, 0.24
HSL	201°, 82%, 42%
HSV	201°, 90%, 76%
XYZ	18.3937, 20.8085, 54.0859
YIQ	105.8680, -87.5250, -5.1970

Conversions

Conversions Part 2

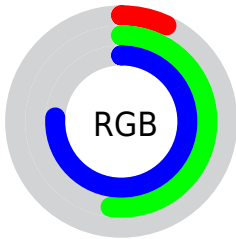
Format	Color
RYB	19, 88, 194
Decimal	1279426
CIELab	52.74, -7.08, -39.88
CIELCh	53, 40.501, 259.933
Yxy	20.8085, 0.1972, 0.2231
Android (android.graphics.Color)	4279469506 (0xFF1385C2)
YUV	105.8680, 43.4491, -76.1832
Hunter-Lab	45.6163, -7.8527, -38.3669

Details

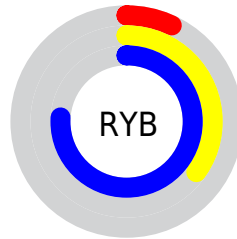
The XYZ color **18.3937, 20.8085, 54.0859** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **25.2368, 17.2580, 2.6184**, and the grayscale version is **13.5681, 14.2747, 15.5452**.

A 20% lighter version of the original color is **40.2270, 44.7922, 97.7924**, and **7.9039, 8.2341, 25.9837** is the 20% darker color. If you saturate the color by 10%, you get **17.2456, 18.9109, 53.7806**, and if you desaturate by 10%, it is **19.8966, 23.0027, 54.4307**.

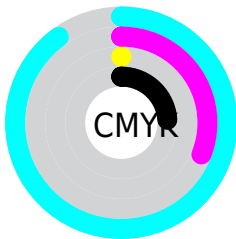
Distribution



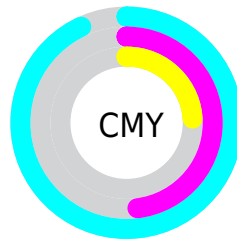
- Red (7%)
- Green (52%)
- Blue (76%)



- Red (7%)
- Yellow (35%)
- Blue (76%)



- Cyan (90%)
- Magenta (31%)
- Yellow (0%)
- Black (24%)



- Cyan (93%)
- Magenta (48%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3937, 20.8085, 54.0859 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 18.3937, 20.8085, 54.0859 by changing the saturation by 10% instead.

■ 18.3937, 20.8085,
54.0859

■ 18.3937, 20.8085,
54.0859

236.0838,
256.2590, 419.6214

■ 11.3344, 12.9841,
38.2767

■ 40.2319, 44.7686,
97.6580

■ 6.3612, 7.4176,
25.8940

■ 55.7415, 61.6731,
126.2580

■ 3.1087, 3.7246,
16.5193

■ 74.7986, 82.3731,
159.9587

■ 1.2115, 1.5207,
9.7341

■ 97.7685, 107.2529,
199.1787

■ 0.1154, 0.3033,
5.1197

■ 125.0167,
136.6971, 244.3363

■ 0.0000, 0.0000,
2.2577

156.9083,

■ 0.0000, 0.0000,

171.0898, 295.8503

0.7074

193.8089,
210.8157, 354.1392

■ 0.0000, 0.0000,
0.0000

■ 18.3937, 20.8085,
54.0859

■ 18.3937, 20.8085,
54.0859

■ 17.2456, 18.9109,
53.7806

■ 19.8966, 23.0027,
54.4307

■ 21.8331, 25.5104,
54.8126

■ 24.2557, 28.3603,
55.2350

■ 27.2083, 31.5766,
55.7002

■ 30.7294, 35.1808,
56.2103

■ 34.8538, 39.1922,
56.7672

■ 39.6134, 43.6286,
57.3727

■ 45.0376, 48.5065,
58.0283

■ 51.1539, 53.8417,
58.7357

Harmonies

Analogous

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



15.0031, 20.8085, 45.4874



18.3937, 20.8085, 54.0859



22.6738, 20.8085, 52.2601

Triad

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



18.3937, 20.8085, 54.0859



28.4244, 20.8085, 15.6248



14.1976, 20.8085, 10.7531

Complementary

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



18.3937, 20.8085, 54.0859



25.2368, 17.2580, 2.6184

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.



17.1397, 20.8085, 7.0844



18.3937, 20.8085, 54.0859



25.4714, 20.8085, 9.1244

Square

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



18.3937, 20.8085, 54.0859



28.8866, 20.8085, 26.9647



21.2298, 20.8085, 6.6187



12.8187, 20.8085, 18.8343

Rectangle

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



18.3937, 20.8085, 54.0859



25.4541, 20.8085, 45.5432



21.2298, 20.8085, 6.6187



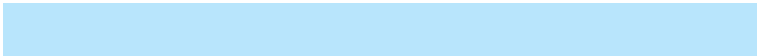
15.0152, 20.8085, 9.1053

Sweetspot

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



18.3945, 20.8092, 54.0864



65.4113, 73.1485, 103.1413



20.9131, 39.2634, 13.5630



13.7019, 15.4292, 22.5059



0.0000, 0.0000, 0.0000



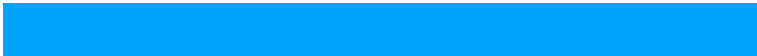
20.3446, 21.4041, 23.3091

Same Dimension

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



18.3945, 20.8092, 54.0864



30.9964, 33.7654, 97.3535



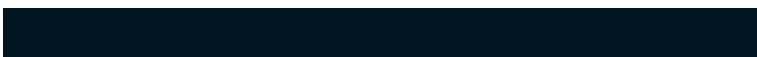
11.0716, 6.1633, 51.6455



10.0634, 10.8182, 12.8425



11.4175, 12.5915, 35.3853



0.5558, 0.6690, 1.5497

Inverse Universe

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



26.7154, 13.6296, 23.4134



47.0487, 23.4758, 37.3820



35.7922, 38.3687, 6.1368



10.3433, 10.1859, 11.8985



17.1590, 8.5534, 14.0153



0.7729, 0.3822, 0.7717

Previews

White Background



This preview shows how the XYZ color 18.3937, 20.8085, 54.0859 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 18.3937, 20.8085, 54.0859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

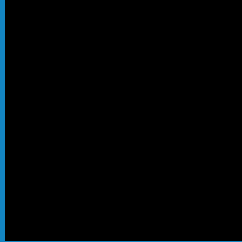
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.3937, 20.8085, 54.0859

Background



This preview shows how black text looks on a background with the XYZ color 18.3937, 20.8085, 54.0859.



This preview shows how white text looks on a background with the XYZ color 18.3937, 20.8085,

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

18.3937, 20.8085, 54.0859

Protanopia

21.6548, 20.6541, 49.2997

Deuteranopia

21.2279, 20.6790, 55.0972



Tritanopia

14.7376, 20.6672, 32.0666

Trichromacy



Original Color

18.3937, 20.8085, 54.0859

Protanomaly

19.5223, 20.2693, 51.0275

Deuteranomaly

19.5561, 20.4026, 54.5371

Tritanomaly

15.9162, 20.6897, 39.2310

Monochromacy



Original Color

18.3937, 20.8085, 54.0859

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.6569, 15.7816, 26.3711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3937, 20.8085, 54.0859 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(19, 133, 194)` looks like.

```
.text, #text, p{  
    color:rgb(19, 133, 194)  
}
```

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(19, 133, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 133, 194) }
```

Border

The CSS property to change the border of an element to XYZ 18.3937, 20.8085, 54.0859 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(19, 133, 194) }
```


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

```
.border{ border-color:rgb(19, 133, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 133, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 133, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 133, 194);  
box-shadow:4px 4px 4px 4px rgb(19, 133,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3937, 20.8085, 54.0859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 133, 194) }
```

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

```
.background{ background-color: rgb(19, 133,  
194) }
```

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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