

Converting Colors

XYZ(19.5937, 19.6437, 63.7317)

Have a look what the booklet for
XYZ(19.5937, 19.6437, 63.7317)
contains.

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Color

**XYZ(19.5937, 19.6437,
63.7317)**

Conversions

Conversions Part 1

Format	Color
Hex	217DD2
RGB	33, 125, 210
RGB Percent	13%, 49%, 82%
CMY	0.8705, 0.5098, 0.1765
CMYK	0.84, 0.40, 0.00, 0.18
HSL	209°, 73%, 48%
HSV	209°, 84%, 82%
XYZ	19.5937, 19.6437, 63.7317
YIQ	107.1820, -82.1170, 6.9310

Conversions

Conversions Part 2

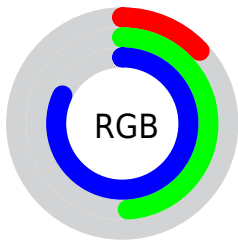
Format	Color
R_{YB}	33, 94, 210
Decimal	2194898
CIE _{Lab}	51.43, 4.71, -51.04
CIE _{LCh}	51, 51.255, 275.275
Yxy	19.6437, 0.1903, 0.1908
Android (android.graphics.Color)	4280384978 (0xFF217DD2)
YUV	107.1820, 50.6893, -65.0576
Hunter-Lab	44.3212, 1.3499, -54.2312

Details

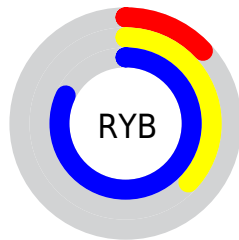
The XYZ color **19.5937, 19.6437, 63.7317** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **33.3341, 26.7733, 4.8512**, and the grayscale version is **13.9076, 14.6319, 15.9341**.

A 20% lighter version of the original color is **40.0788, 41.9155, 100.5859**, and **8.5703, 7.6743, 32.0399** is the 20% darker color. If you saturate the color by 10%, you get **17.9059, 16.9736, 63.3057**, and if you desaturate by 10%, it is **21.8314, 22.7902, 64.2215**.

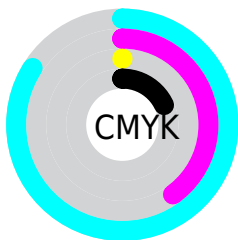
Distribution



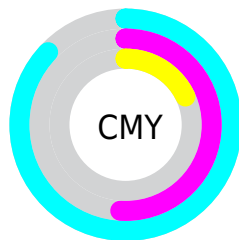
- Red (13%)
- Green (49%)
- Blue (82%)



- Red (13%)
- Yellow (37%)
- Blue (82%)



- Cyan (84%)
- Magenta (40%)
- Yellow (0%)
- Black (18%)



- Cyan (87%)
- Magenta (51%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5937, 19.6437, 63.7317 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 19.5937, 19.6437, 63.7317 by changing the saturation by 10% instead.

■ 19.5937, 19.6437,
63.7317

■ 19.5937, 19.6437,
63.7317

242.5827,
249.9797, 456.4010

■ 12.2066, 12.1363,
45.9886

■ 42.2441, 42.8190,
111.8202

■ 6.9577, 6.8366,
31.8882

■ 58.2381, 59.2557,
143.0027

■ 3.4818, 3.3601,
21.0120

■ 77.8318, 79.4377,
179.5020

■ 1.4134, 1.3225,
12.9415

■ 101.3905,
103.7492, 221.7368

■ 0.2657, 0.1585,
7.2580

■ 129.2796,
132.5748, 270.1256

■ 0.0000, 0.0000,
3.5431

161.8644,

■ 0.0000, 0.0000,

166.2988, 325.0868

1.3782

199.5103,
205.3057, 387.0391

■ 0.0000, 0.0000,
0.1246

■ 0.0000, 0.0000,
0.0000

■ 19.5937, 19.6437,
63.7317

■ 19.5937, 19.6437,
63.7317

■ 17.9059, 16.9736,
63.3057

■ 21.8314, 22.7902,
64.2215

■ 17.1167, 15.6208,
63.0862

■ 24.6880, 26.4535,
64.7781

■ 28.2234, 30.6699,
65.4056

■ 32.4892, 35.4712,
66.1075

■ 37.5314, 40.8859,
66.8869

■ 43.3923, 46.9405,
67.7466

■ 50.1104, 53.6595,
68.6895

■ 57.7222, 61.0660,
69.7179

■ 66.2615, 69.1819,
70.8343

Harmonies

Analogous

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



14.8367, 19.6437, 58.7461



19.5937, 19.6437, 63.7317



24.9756, 19.6437, 53.7914

Triad

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



19.5937, 19.6437, 63.7317



27.9511, 19.6437, 8.8584



11.0592, 19.6437, 11.6046

Complementary

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



19.5937, 19.6437, 63.7317



33.3341, 26.7733, 4.8512

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.



13.5277, 19.6437, 5.6093



19.5937, 19.6437, 63.7317



23.1142, 19.6437, 4.6097

Square

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



19.5937, 19.6437, 63.7317



30.3344, 19.6437, 18.8918



17.7772, 19.6437, 3.7766



10.4612, 19.6437, 24.0964

Rectangle

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



19.5937, 19.6437, 63.7317



28.0224, 19.6437, 41.8877



17.7772, 19.6437, 3.7766



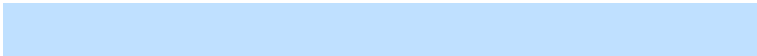
11.6723, 19.6437, 8.9828

Sweetspot

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



19.5945, 19.6443, 63.7322



66.3573, 71.8458, 104.9780



26.8044, 47.6691, 24.1930



13.4898, 14.6465, 22.3660



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.



19.5945, 19.6443, 63.7322



26.3732, 23.8664, 97.8244



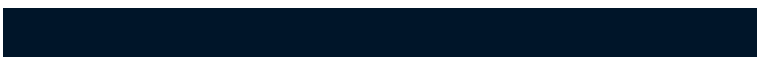
12.9837, 6.4226, 61.5286



11.6647, 12.4196, 15.0261



10.5422, 9.7310, 38.5151



0.6687, 0.7026, 2.1799

Inverse Universe

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



30.8247, 16.2713, 20.9184



45.4412, 22.9405, 24.0530



48.4703, 57.0456, 9.8966



12.0616, 11.9094, 13.6004



17.9519, 9.0536, 9.9190



1.0438, 0.5222, 0.7652

Previews

White Background



This preview shows how the XYZ color 19.5937, 19.6437, 63.7317 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 19.5937, 19.6437, 63.7317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

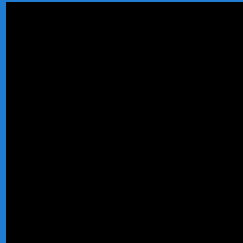
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5937, 19.6437, 63.7317

Background



This preview shows how black text looks on a background with the XYZ color 19.5937, 19.6437, 63.7317.



This preview shows how white text looks on a background with the XYZ color 19.5937, 19.6437,

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

19.5937, 19.6437, 63.7317

Protanopia

21.3337, 19.5317, 59.7723

Deuteranopia

20.1320, 19.5491, 63.6851



Tritanopia

13.7748, 19.3723, 29.8013

Trichromacy



Original Color

19.5937, 19.6437, 63.7317

Protanomaly

20.2927, 19.3243, 61.0529

Deuteranomaly

19.9227, 19.6263, 63.7110

Tritanomaly

15.4294, 19.1753, 40.4241

Monochromacy



Original Color

19.5937, 19.6437, 63.7317

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.3596, 15.7537, 28.6695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5937, 19.6437, 63.7317 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(33, 125, 210)` looks like.

```
.text, #text, p{  
    color:rgb(33, 125, 210)  
}
```

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(33, 125, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 125, 210) }
```

Border

The CSS property to change the border of an element to XYZ 19.5937, 19.6437, 63.7317 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(33, 125, 210) }
```


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

```
.border{ border-color:rgb(33, 125, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 125, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 125, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 125, 210);  
box-shadow:4px 4px 4px 4px rgb(33, 125,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5937, 19.6437, 63.7317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 125, 210) }
```

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

```
.background{ background-color: rgb(33, 125,  
210) }
```

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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