

Converting Colors

XYZ(18.1612, 21.2290, 36.4659)

Have a look what the booklet for
XYZ(18.1612, 21.2290, 36.4659)
contains.

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Color

**XYZ(18.1785, 21.2937,
36.4097)**

Conversions

Conversions Part 1

Format	Color
Hex	5086A0
RGB	80, 134, 160
RGB Percent	31%, 53%, 63%
CMY	0.6863, 0.4745, 0.3725
CMYK	0.50, 0.16, 0.00, 0.37
HSL	199°, 33%, 47%
HSV	199°, 50%, 63%
XYZ	18.1785, 21.2937, 36.4097
YIQ	120.8180, -40.5300, -3.3620

Conversions

Conversions Part 2

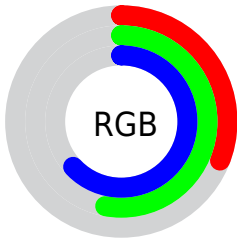
Format	Color
R_{YB}	80, 112, 160
Decimal	5277344
CIE _{Lab}	53.27, -10.50, -19.39
CIE _{LCh}	53, 22.048, 241.569
Yxy	21.2937, 0.2396, 0.2806
Android (android.graphics.Color)	4283467424 (0xFF5086A0)
YUV	120.8180, 19.3167, -35.7974
Hunter-Lab	46.1451, -10.4352, -14.4798

Details

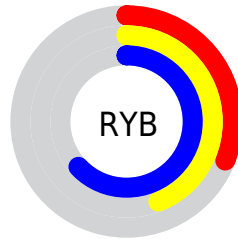
The XYZ color **18.1785, 21.2937, 36.4097** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.0997, 18.3614, 10.0221**, and the grayscale version is **18.0649, 19.0056, 20.6971**.

A 20% lighter version of the original color is **39.8676, 45.5153, 70.9741**, and **6.2080, 7.5939, 15.3259** is the 20% darker color. If you saturate the color by 10%, you get **16.2840, 19.2766, 36.1206**, and if you desaturate by 10%, it is **20.4314, 23.5489, 36.7266**.

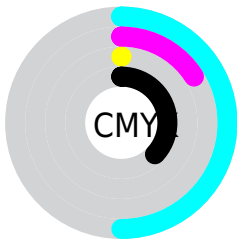
Distribution



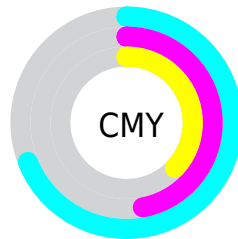
- Red (31%)
- Green (53%)
- Blue (63%)



- Red (31%)
- Yellow (44%)
- Blue (63%)



- Cyan (50%)
- Magenta (16%)
- Yellow (0%)
- Black (37%)



- Cyan (69%)
- Magenta (47%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1785, 21.2937, 36.4097 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 18.1785, 21.2937, 36.4097 by changing the saturation by 10% instead.

■ 18.1785, 21.2937,
36.4097

■ 18.1785, 21.2937,
36.4097

234.9014,
258.8353, 345.8392

■ 11.1787, 13.3389,
24.4586

■ 39.8690, 45.5758,
70.8401

■ 6.2553, 7.6623,
15.4588

■ 55.2903, 62.6719,
94.1565

■ 3.0431, 3.8796,
8.9918

■ 74.2495, 83.5838,
122.0984

■ 1.1766, 1.6065,
4.6391

■ 97.1120, 108.6960,
155.0843

■ 0.0878, 0.3619,
1.9821

■ 124.2431,
138.3929, 193.5328

■ 0.0000, 0.0000,
0.5442

156.0081,

■ 0.0000, 0.0000,

173.0587, 237.8624

0.0000

192.7724,
213.0781, 288.4917

■ 18.1785, 21.2937,
36.4097

■ 18.1785, 21.2937,
36.4097

■ 16.2840, 19.2766,
36.1206

■ 20.4314, 23.5489,
36.7266

■ 14.7222, 17.4824,
35.8566

■ 23.0621, 26.0516,
37.0711

■ 13.4669, 15.8970,
35.6168

■ 26.0908, 28.8135,
37.4445

■ 12.4867, 14.5037,
35.3995

■ 29.5359, 31.8445,
37.8480

■ 11.7081, 13.2637,
35.2012

■ 33.4144, 35.1543,
38.2824

■ 11.7079, 13.2635,
35.2011

■ 37.7422, 38.7518,
38.7487

■ 42.5347, 42.6454,
39.2477

■ 47.8062, 46.8433,
39.7801

■ 53.5706, 51.3532,
40.3468

Harmonies

Analogous

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



16.6542, 21.2937, 30.5783



18.1785, 21.2937, 36.4097



20.3620, 21.2937, 38.5357

Triad

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



18.1785, 21.2937, 36.4097



25.0600, 21.2937, 22.8355



17.9813, 21.2937, 13.8753

Complementary

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



18.1785, 21.2937, 36.4097



21.0997, 18.3614, 10.0221

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.



20.1165, 21.2937, 12.5723



18.1785, 21.2937, 36.4097



24.3045, 21.2937, 17.0916

Square

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



18.1785, 21.2937, 36.4097



24.4435, 21.2937, 29.8519



22.4496, 21.2937, 13.6272



16.5467, 21.2937, 17.5932

Rectangle

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



18.1785, 21.2937, 36.4097



21.9324, 21.2937, 37.2945



22.4496, 21.2937, 13.6272



18.6351, 21.2937, 13.1764

Sweetspot

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



18.1792, 21.2945, 36.4102



50.2223, 54.8459, 68.3259



18.4466, 27.8744, 17.8634



10.7482, 11.7932, 14.9535



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.1792, 21.2945, 36.4102



29.2079, 34.6025, 65.5261



13.7163, 12.3688, 34.9226



6.6400, 7.1457, 8.4360



9.1614, 10.4143, 27.4345



0.2005, 0.2596, 0.5028

Inverse Universe

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



21.6695, 14.9328, 24.2952



36.5636, 22.6941, 39.6586



26.1221, 28.4061, 11.6962



6.8124, 6.7179, 7.8631



13.4225, 6.6735, 11.7416



0.2585, 0.1267, 0.3074

Previews

White Background



This preview shows how the XYZ color 18.1785, 21.2937, 36.4097 looks on a white background.

Color Contrast Check

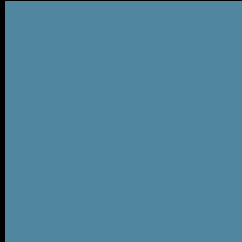
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1785, 21.2937, 36.4097 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

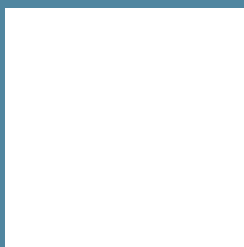
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.1785, 21.2937, 36.4097

Background



This preview shows how black text looks on a background with the XYZ color 18.1785, 21.2937, 36.4097.



This preview shows how white text looks on a background with the XYZ color 18.1785, 21.2937,

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

18.1785, 21.2937, 36.4097

Protanopia

20.9121, 20.9934, 33.5218

Deuteranopia

21.4750, 21.0170, 37.1073



Tritanopia

17.0511, 21.2514, 30.8070

Trichromacy



Original Color

18.1785, 21.2937, 36.4097

Protanomaly

19.5456, 20.8419, 34.4452

Deuteranomaly

19.9779, 21.0148, 36.7215

Tritanomaly

17.3920, 21.1727, 32.8759

Monochromacy



Original Color

18.1785, 21.2937, 36.4097

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.7779, 19.7351, 25.7939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1785, 21.2937, 36.4097 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(80, 134, 160)` looks like.

```
.text, #text, p{  
    color:rgb(80, 134, 160)  
}
```

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(80, 134, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 134, 160) }
```

Border

The CSS property to change the border of an element to XYZ 18.1785, 21.2937, 36.4097 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(80, 134, 160) }
```


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

```
.border{ border-color:rgb(80, 134, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 134, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 134, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 134, 160);  
box-shadow:4px 4px 4px 4px rgb(80, 134,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1785, 21.2937, 36.4097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 134, 160) }
```

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

```
.background{ background-color: rgb(80, 134,  
160) }
```

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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