

Converting Colors

XYZ(18.9937, 22.9286, 39.0219)

Have a look what the booklet for
XYZ(18.9937, 22.9286, 39.0219)
contains.

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Color

**XYZ(18.9937, 22.9286,
39.0219)**

Conversions

Conversions Part 1

Format	Color
Hex	4A8CA5
RGB	74, 140, 165
RGB Percent	29%, 55%, 65%
CMY	0.7098, 0.4510, 0.3529
CMYK	0.55, 0.15, 0.00, 0.35
HSL	196°, 38%, 47%
HSV	196°, 55%, 65%
XYZ	18.9937, 22.9286, 39.0219
YIQ	123.1160, -47.3610, -6.2170

Conversions

Conversions Part 2

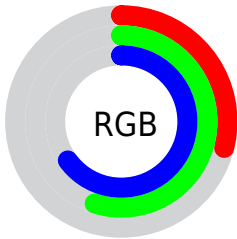
Format	Color
RYB	74, 112, 165
Decimal	4885669
CIELab	55.00, -13.71, -19.65
CIELCh	55, 23.960, 235.102
Yxy	22.9286, 0.2347, 0.2833
Android (android.graphics.Color)	4283075749 (0xFF4A8CA5)
YUV	123.1160, 20.6488, -43.0747
Hunter-Lab	47.8838, -12.9925, -14.7985

Details

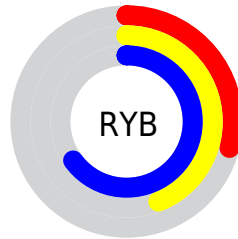
The XYZ color **18.9937, 22.9286, 39.0219** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.2157, 17.4184, 8.7234**, and the grayscale version is **18.8110, 19.7906, 21.5520**.

A 20% lighter version of the original color is **41.2633, 48.4180, 74.8809**, and **6.6618, 8.5175, 16.9157** is the 20% darker color. If you saturate the color by 10%, you get **17.2375, 21.0605, 38.7543**, and if you desaturate by 10%, it is **21.1119, 25.0247, 39.3153**.

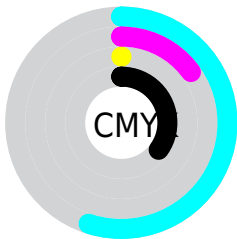
Distribution



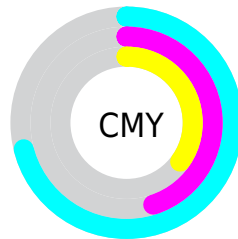
- Red (29%)
- Green (55%)
- Blue (65%)



- Red (29%)
- Yellow (44%)
- Blue (65%)



- Cyan (55%)
- Magenta (15%)
- Yellow (0%)
- Black (35%)



- Cyan (71%)
- Magenta (45%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9937, 22.9286, 39.0219 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 18.9937, 22.9286, 39.0219 by changing the saturation by 10% instead.

■ 18.9937, 22.9286,
39.0219

■ 18.9937, 22.9286,
39.0219

239.3528,
267.3581, 357.4123

■ 11.7697, 14.5408,
26.4688

■ 41.2404, 48.2761,
74.8925

■ 6.6581, 8.4977,
16.9458

■ 56.9938, 66.0045,
99.0471

■ 3.2937, 4.4151,
10.0343

■ 76.3211, 87.6153,
127.9059

■ 1.3109, 1.9083,
5.3158

■ 99.5876, 113.4928,
161.8874

■ 0.1914, 0.5534,
2.3718

■ 127.1586,
144.0214, 201.4103

■ 0.0000, 0.0000,
0.7710

159.3996,

■ 0.0000, 0.0000,

179.5856, 246.8931

0.0000

196.6759,
220.5697, 298.7542

■ 18.9937, 22.9286,
39.0219

■ 18.9937, 22.9286,
39.0219

■ 17.2375, 21.0605,
38.7543

■ 21.1119, 25.0247,
39.3153

■ 15.8140, 19.4036,
38.5095

■ 23.6139, 27.3592,
39.6340

■ 14.6929, 17.9421,
38.2865

■ 26.5224, 29.9447,
39.9798

■ 13.8354, 16.6554,
38.0834

■ 29.8575, 32.7921,
40.3536

■ 13.4686, 16.0705,
37.9898

■ 33.6382, 35.9114,
40.7564

■ 37.8819, 39.3124,
41.1892

■ 42.6054, 43.0038,
41.6528

■ 47.8245, 46.9945,
42.1480

■ 53.5542, 51.2924,
42.6756

Harmonies

Analogous

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



17.4786, 22.9286, 31.7150



18.9937, 22.9286, 39.0219



21.3588, 22.9286, 42.6047

Triad

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



18.9937, 22.9286, 39.0219



27.3010, 22.9286, 26.2381



19.6928, 22.9286, 13.9044

Complementary

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



18.9937, 22.9286, 39.0219



21.2157, 17.4184, 8.7234

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.



22.2329, 22.9286, 13.0227



18.9937, 22.9286, 39.0219



26.7645, 22.9286, 19.2485

Square

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



18.9937, 22.9286, 39.0219



26.2664, 22.9286, 34.3265



24.8545, 22.9286, 14.7690



17.8586, 22.9286, 17.4826

Rectangle

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



18.9937, 22.9286, 39.0219



23.1539, 22.9286, 41.9614



24.8545, 22.9286, 14.7690



20.4864, 22.9286, 13.3183

Sweetspot

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



18.9944, 22.9295, 39.0225



52.1137, 57.5840, 72.1205



18.4972, 29.2536, 16.2940



11.1421, 12.3762, 15.7391



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.9944, 22.9295, 39.0225



30.2982, 37.0758, 69.3118



13.7297, 12.4000, 37.2675



7.1108, 7.6806, 9.0108



10.2322, 12.2438, 28.7538



0.2512, 0.3297, 0.6162

Inverse Universe

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



22.7001, 14.7912, 26.4703



37.9346, 22.1781, 43.0252



26.6917, 28.3704, 10.5487



7.2809, 7.1688, 8.4657



14.3102, 7.0801, 14.0900



0.3190, 0.1561, 0.3923

Previews

White Background



This preview shows how the XYZ color 18.9937, 22.9286, 39.0219 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 18.9937, 22.9286, 39.0219 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

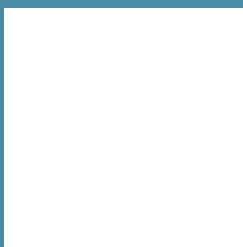
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9937, 22.9286, 39.0219

Background



This preview shows how black text looks on a background with the XYZ color 18.9937, 22.9286, 39.0219.



This preview shows how white text looks on a background with the XYZ color 18.9937, 22.9286,

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

18.9937, 22.9286, 39.0219

Protanopia

22.6116, 22.7939, 35.5556

Deuteranopia

23.3756, 22.8876, 40.2315



Tritanopia

17.9486, 22.9480, 33.6204

Trichromacy



Original Color

18.9937, 22.9286, 39.0219

Protanomaly

20.9020, 22.6876, 36.9957

Deuteranomaly

21.3064, 22.6292, 39.8041

Tritanomaly

18.2092, 22.8237, 35.3440

Monochromacy



Original Color

18.9937, 22.9286, 39.0219

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.2634, 20.5387, 27.0465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9937, 22.9286, 39.0219 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(74, 140, 165)` looks like.

```
.text, #text, p{  
    color:rgb(74, 140, 165)  
}
```

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(74, 140, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 140, 165) }
```

Border

The CSS property to change the border of an element to XYZ 18.9937, 22.9286, 39.0219 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(74, 140, 165) }
```


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

```
.border{ border-color:rgb(74, 140, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 140, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 140, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 140, 165);  
box-shadow:4px 4px 4px 4px rgb(74, 140,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9937, 22.9286, 39.0219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 140, 165) }
```

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

```
.background{ background-color: rgb(74, 140,  
165) }
```

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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