

Converting Colors

XYZ(16.6908, 19.4793, 46.2431)

Have a look what the booklet for
XYZ(16.6908, 19.4793, 46.2431)
contains.

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Color

**XYZ(16.6728, 19.4936,
46.0639)**

Conversions

Conversions Part 1

Format	Color
Hex	1B82B4
RGB	27, 130, 180
RGB Percent	11%, 51%, 71%
CMY	0.8941, 0.4902, 0.2941
CMYK	0.85, 0.28, 0.00, 0.29
HSL	200°, 74%, 41%
HSV	200°, 85%, 71%
XYZ	16.6728, 19.4936, 46.0639
YIQ	104.9030, -77.4380, -6.2860

Conversions

Conversions Part 2

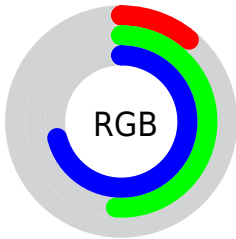
Format	Color
RYB	27, 89, 180
Decimal	1802932
CIELab	51.26, -10.02, -34.18
CIELCh	51, 35.613, 253.661
Yxy	19.4936, 0.2028, 0.2371
Android (android.graphics.Color)	4279993012 (0xFF1B82B4)
YUV	104.9030, 37.0228, -68.3209
Hunter-Lab	44.1516, -9.8589, -30.9519

Details

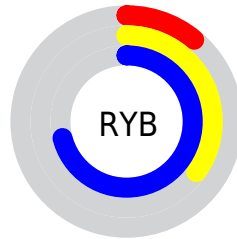
The XYZ color **16.6728, 19.4936, 46.0639** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.6753, 15.0920, 2.8083**, and the grayscale version is **13.3204, 14.0141, 15.2614**.

A 20% lighter version of the original color is **37.3293, 42.6324, 85.6183**, and **6.7732, 7.4172, 21.1533** is the 20% darker color. If you saturate the color by 10%, you get **15.5737, 17.7987, 45.7951**, and if you desaturate by 10%, it is **18.1090, 21.4293, 46.3622**.

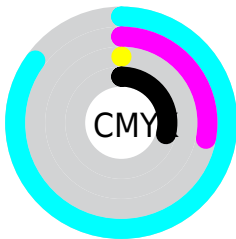
Distribution



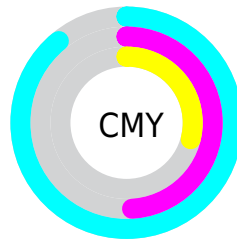
- Red (11%)
- Green (51%)
- Blue (71%)



- Red (11%)
- Yellow (35%)
- Blue (71%)



- Cyan (85%)
- Magenta (28%)
- Yellow (0%)
- Black (29%)



- Cyan (89%)
- Magenta (49%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6728, 19.4936, 46.0639 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 16.6728, 19.4936, 46.0639 by changing the saturation by 10% instead.

■ 16.6728, 19.4936,
46.0639

■ 16.6728, 19.4936,
46.0639

■ 226.4729,
249.1603, 387.3505

■ 10.0953, 12.0275,
31.9472

■ 37.3104, 42.5665,
85.6499

■ 5.5250, 6.7624,
21.0567

■ 52.1013, 58.9421,
111.9563

■ 2.5963, 3.3140,
12.9738

■ 70.3607, 79.0563,
143.1631

■ 0.9441, 1.2978,
7.2800

■ 92.4540, 103.2935,
179.6887

■ 0.0000, 0.1395,
3.5567

■ 118.7465,
132.0381, 221.9517

■ 0.0000, 0.0000,
1.3855

■ 149.6036,

■ 0.0000, 0.0000,

165.6745, 270.3706

0.1303

185.3906,
204.5871, 325.3641

■ 0.0000, 0.0000,
0.0000

■ 16.6728, 19.4936,
46.0639

■ 16.6728, 19.4936,
46.0639

■ 15.5737, 17.7987,
45.7951

■ 18.1090, 21.4293,
46.3622

■ 15.0968, 17.0123,
45.6684

■ 19.9275, 23.6293,
46.6910

■ 22.1679, 26.1154,
47.0528

■ 24.8640, 28.9060,
47.4494

■ 28.0459, 32.0176,
47.8822

■ 31.7411, 35.4653,
48.3530

■ 35.9749, 39.2632,
48.8629

■ 40.7706, 43.4242,
49.4133

■ 46.1504, 47.9608,
50.0054

Harmonies

Analogous

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



14.0144, 19.4936, 37.7905



16.6728, 19.4936, 46.0639



20.1879, 19.4936, 46.4616

Triad

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



16.6728, 19.4936, 46.0639



25.9865, 19.4936, 16.9337



14.2026, 19.4936, 9.9886

Complementary

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



16.6728, 19.4936, 46.0639



21.6753, 15.0920, 2.8083

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.



16.9618, 19.4936, 7.3298



16.6728, 19.4936, 46.0639



23.9198, 19.4936, 10.3848

Square

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



16.6728, 19.4936, 46.0639



25.8831, 19.4936, 27.2155



20.5161, 19.4936, 7.4468



12.7178, 19.4936, 16.1855

Rectangle

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



16.6728, 19.4936, 46.0639



22.5762, 19.4936, 42.0165



20.5161, 19.4936, 7.4468



14.9953, 19.4936, 8.7548

Sweetspot

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



16.6735, 19.4943, 46.0644



57.2415, 64.0206, 87.6349



18.0595, 33.3903, 12.2325



11.8512, 13.3569, 18.8758



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



16.6735, 19.4943, 46.0644



27.1524, 30.4045, 82.7322



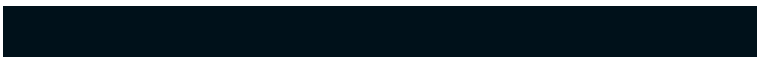
10.0597, 6.2667, 43.8598



8.5039, 9.1540, 10.8250



10.5997, 11.9998, 31.8945



0.3839, 0.4784, 1.0203

Inverse Universe

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



23.2442, 12.0996, 22.2301



40.2944, 20.0603, 34.0639



30.2412, 32.2238, 5.6636



8.7295, 8.5985, 10.0742



15.5849, 7.7515, 13.5060



0.5158, 0.2541, 0.5590

Previews

White Background



This preview shows how the XYZ color 16.6728, 19.4936, 46.0639 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 16.6728, 19.4936, 46.0639 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 16.6728, 19.4936, 46.0639

Background



This preview shows how black text looks on a background with the XYZ color 16.6728, 19.4936, 46.0639.

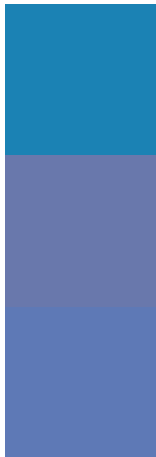


This preview shows how white text looks on a background with the XYZ color 16.6728, 19.4936,

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

16.6728, 19.4936, 46.0639

Protanopia

19.9886, 19.4148, 41.7236

Deuteranopia

19.8970, 19.4318, 46.9580



Tritanopia

13.7748, 19.3723, 29.8013

Trichromacy



Original Color

16.6728, 19.4936, 46.0639

Protanomaly

18.0061, 19.0882, 43.2928

Deuteranomaly

18.0739, 19.0536, 46.4412

Tritanomaly

14.6843, 19.3082, 35.3007

Monochromacy



Original Color

16.6728, 19.4936, 46.0639

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2427, 15.2784, 24.0808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6728, 19.4936, 46.0639 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(27, 130, 180)` looks like.

```
.text, #text, p{  
    color:rgb(27, 130, 180)  
}
```

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(27, 130, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 130, 180) }
```

Border

The CSS property to change the border of an element to XYZ 16.6728, 19.4936, 46.0639 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(27, 130, 180) }
```


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

```
.border{ border-color:rgb(27, 130, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 130, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 130, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 130, 180);  
box-shadow:4px 4px 4px 4px rgb(27, 130,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6728, 19.4936, 46.0639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 130, 180) }
```

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

```
.background{ background-color: rgb(27, 130,  
180) }
```

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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