

Converting Colors

XYZ(18.0500, 22.7116, 36.6902)

Have a look what the booklet for
XYZ(18.0500, 22.7116, 36.6902)
contains.

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Color

**XYZ(18.0500, 22.7116,
36.6902)**

Conversions

Conversions Part 1

Format	Color
Hex	418DA0
RGB	65, 141, 160
RGB Percent	25%, 55%, 63%
CMY	0.7451, 0.4471, 0.3725
CMYK	0.59, 0.12, 0.00, 0.37
HSL	192°, 42%, 44%
HSV	192°, 59%, 63%
XYZ	18.0500, 22.7116, 36.6902
YIQ	120.4420, -51.3950, -10.2030

Conversions

Conversions Part 2

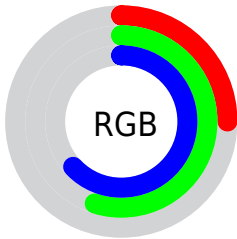
Format	Color
R _Y B	65, 107, 160
Decimal	4296096
CIE Lab	54.77, -17.66, -17.15
CIE LCh	55, 24.619, 224.156
Yxy	22.7116, 0.2330, 0.2932
Android (android.graphics.Color)	4282486176 (0xFF418DA0)
YUV	120.4420, 19.5021, -48.6226
Hunter-Lab	47.6567, -15.7922, -12.2868

Details

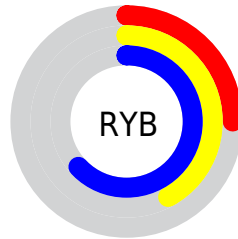
The XYZ color **18.0500, 22.7116, 36.6902** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.6223, 14.1966, 6.7605**, and the grayscale version is **17.9461, 18.8807, 20.5611**.

A 20% lighter version of the original color is **39.8069, 48.0741, 71.4712**, and **6.4479, 8.5649, 15.5007** is the 20% darker color. If you saturate the color by 10%, you get **16.6722, 21.3114, 36.4930**, and if you desaturate by 10%, it is **19.7429, 24.2954, 36.9071**.

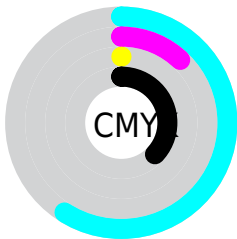
Distribution



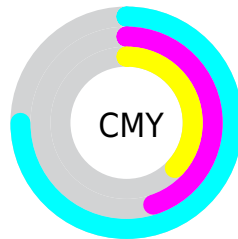
- Red (25%)
- Green (55%)
- Blue (63%)



- Red (25%)
- Yellow (42%)
- Blue (63%)



- Cyan (59%)
- Magenta (12%)
- Yellow (0%)
- Black (37%)



- Cyan (75%)
- Magenta (45%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0500, 22.7116, 36.6902 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 18.0500, 22.7116, 36.6902 by changing the saturation by 10% instead.

■ 18.0500, 22.7116,
36.6902

■ 18.0500, 22.7116,
36.6902

234.1929,
266.2402, 347.0955

■ 11.0858, 14.3807,
24.6738

■ 39.6519, 47.9193,
71.2770

■ 6.1923, 8.3859,
15.6174

■ 55.0203, 65.5650,
94.6846

■ 3.0041, 4.3429,
9.1024

■ 73.9209, 87.0843,
122.7263

■ 1.1559, 1.8671,
4.7103

■ 96.7189, 112.8617,
155.8206

■ 0.0712, 0.5285,
2.0226

■ 123.7798,
143.2816, 194.3862

■ 0.0000, 0.0000,
0.5691

155.4688,

■ 0.0000, 0.0000,

178.7284, 238.8415

0.0000

192.1514,
219.5865, 289.6051

■ 18.0500, 22.7116,
36.6902

■ 18.0500, 22.7116,
36.6902

■ 16.6722, 21.3114,
36.4930

■ 19.7429, 24.2954,
36.9071

■ 15.5812, 20.0786,
36.3125

■ 21.7719, 26.0725,
37.1432

■ 14.7469, 18.9982,
36.1479

■ 24.1586, 28.0545,
37.3999

■ 14.1034, 18.0357,
35.9961

■ 26.9222, 30.2515,
37.6784

■ 14.0646, 17.9768,
35.9868

■ 30.0805, 32.6729,
37.9793

■ 33.6501, 35.3274,
38.3035

■ 37.6466, 38.2232,
38.6518

■ 42.0849, 41.3681,
39.0249

■ 46.9789, 44.7694,
39.4235

Harmonies

Analogous

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



16.9053, 22.7116, 28.5734



18.0500, 22.7116, 36.6902



20.1910, 22.7116, 42.1040

Triad

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



18.0500, 22.7116, 36.6902



27.0150, 22.7116, 29.0447



20.3335, 22.7116, 12.8698

Complementary

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



18.0500, 22.7116, 36.6902



18.6223, 14.1966, 6.7605

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.



23.0452, 22.7116, 12.9438



18.0500, 22.7116, 36.6902



27.0612, 22.7116, 21.2460

Square

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



18.0500, 22.7116, 36.6902



25.4360, 22.7116, 37.0971



25.5576, 22.7116, 15.6990



18.1467, 22.7116, 15.4699

Rectangle

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



18.0500, 22.7116, 36.6902



21.9677, 22.7116, 42.8632



25.5576, 22.7116, 15.6990



21.2101, 22.7116, 12.6031

Sweetspot

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



18.0507, 22.7124, 36.6907



49.4368, 55.3590, 68.4663



16.2903, 26.8816, 12.3969



10.5197, 11.8891, 14.9840



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.



18.0507, 22.7124, 36.6907



29.6254, 37.9932, 66.1585



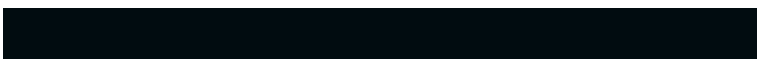
12.6256, 11.8622, 34.8824



6.7091, 7.2840, 8.4590



10.9873, 14.0661, 28.0432



0.2228, 0.3042, 0.5102

Inverse Universe

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



21.1959, 13.1780, 26.6266



36.1504, 20.1402, 44.8468



23.4235, 23.7991, 8.3609



6.8473, 6.7318, 8.0468



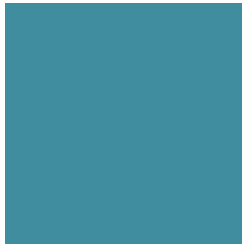
14.3441, 7.0422, 16.5947



0.2698, 0.1312, 0.3667

Previews

White Background



This preview shows how the XYZ color 18.0500, 22.7116, 36.6902 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 18.0500, 22.7116, 36.6902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

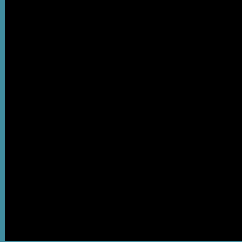
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.0500, 22.7116, 36.6902

Background



This preview shows how black text looks on a background with the XYZ color 18.0500, 22.7116, 36.6902.



This preview shows how white text looks on a background with the XYZ color 18.0500, 22.7116,

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

18.0500, 22.7116, 36.6902

Protanopia

22.1219, 22.4031, 32.8640

Deuteranopia

22.9342, 22.5183, 37.7880



Tritanopia

17.4923, 22.7032, 34.0321

Trichromacy



Original Color

18.0500, 22.7116, 36.6902

Protanomaly

20.0128, 22.0847, 34.2183

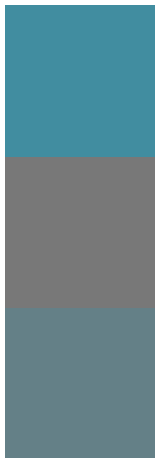
Deuteranomaly

20.6180, 22.3267, 37.4052

Tritanomaly

17.7237, 22.8031, 34.9198

Monochromacy



Original Color

18.0500, 22.7116, 36.6902

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.3479, 19.8969, 25.8478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0500, 22.7116, 36.6902 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(65, 141, 160)` looks like.

```
.text, #text, p{  
    color:rgb(65, 141, 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(65, 141, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 141, 160) }
```

Border

The CSS property to change the border of an element to XYZ 18.0500, 22.7116, 36.6902 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(65, 141, 160) }
```


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

```
.border{ border-color:rgb(65, 141, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 141, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 141, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 141, 160);  
box-shadow:4px 4px 4px 4px rgb(65, 141,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0500, 22.7116, 36.6902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 141, 160) }
```

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

```
.background{ background-color: rgb(65, 141,  
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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