

Converting Colors

XYZ(18.8238, 22.4602, 36.5940)

Have a look what the booklet for
XYZ(18.8238, 22.4602, 36.5940)
contains.

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Color

**XYZ(18.8270, 22.4644,
36.6015)**

Conversions

Conversions Part 1

Format	Color
Hex	518AA0
RGB	81, 138, 160
RGB Percent	32%, 54%, 63%
CMY	0.6823, 0.4588, 0.3725
CMYK	0.49, 0.14, 0.00, 0.37
HSL	197°, 33%, 47%
HSV	197°, 49%, 63%
XYZ	18.8270, 22.4644, 36.6015
YIQ	123.4650, -41.0340, -5.2420

Conversions

Conversions Part 2

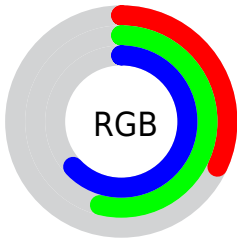
Format	Color
R _Y B	81, 114, 160
Decimal	5343904
CIE Lab	54.52, -12.49, -17.48
CIE LCh	55, 21.483, 234.465
Yxy	22.4644, 0.2417, 0.2884
Android (android.graphics.Color)	4283533984 (0xFF518AA0)
YUV	123.4650, 18.0118, -37.2418
Hunter-Lab	47.3966, -12.0399, -12.6084

Details

The XYZ color **18.8270, 22.4644, 36.6015** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.8332, 17.7687, 10.1169**, and the grayscale version is **18.9330, 19.9190, 21.6918**.

A 20% lighter version of the original color is **40.8882, 47.3188, 71.2684**, and **6.5498, 8.2443, 15.4335** is the 20% darker color. If you saturate the color by 10%, you get **16.9880, 20.5872, 36.3365**, and if you desaturate by 10%, it is **21.0167, 24.5623, 36.8914**.

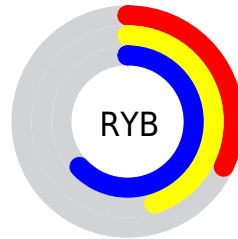
Distribution



Red (32%)

Green (54%)

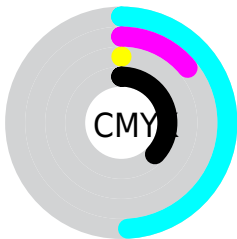
Blue (63%)



Red (32%)

Yellow (45%)

Blue (63%)

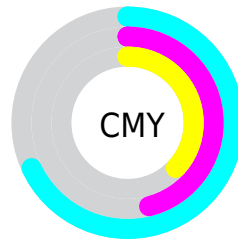


Cyan (49%)

Magenta (14%)

Yellow (0%)

Black (37%)



Cyan (68%)

Magenta (46%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8270, 22.4644, 36.6015 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 18.8270, 22.4644, 36.6015 by changing the saturation by 10% instead.

■ 18.8270, 22.4644,
36.6015

■ 18.8270, 22.4644,
36.6015

■ 238.4485,
264.9620, 346.6986

■ 11.6486, 14.1985,
24.6057

■ 40.9607, 47.5124,
71.1389

■ 6.5754, 8.2589,
15.5672

■ 56.6467, 65.0632,
94.5177

■ 3.2419, 4.2610,
9.0674

■ 75.8993, 86.4779,
122.5278

■ 1.2830, 1.8206,
4.6878

■ 99.0839, 112.1408,
155.5879

■ 0.1704, 0.5000,
2.0097

■ 126.5657,
142.4362, 194.1165

■ 0.0000, 0.0000,
0.5613

158.7102,

■ 0.0000, 0.0000,

177.7486, 238.5321

0.0000

195.8827,
218.4624, 289.2533

■ 18.8270, 22.4644,
36.6015

■ 18.8270, 22.4644,
36.6015

■ 16.9880, 20.5872,
36.3365

■ 21.0167, 24.5623,
36.8914

■ 15.4743, 18.9157,
36.0937

■ 23.5761, 26.8896,
37.2058

■ 14.2601, 17.4367,
35.8722

■ 26.5252, 29.4577,
37.5460

■ 13.3146, 16.1336,
35.6705

■ 29.8820, 32.2763,
37.9131

■ 12.5715, 14.9720,
35.4854

■ 33.6634, 35.3545,
38.3080

■ 12.5269, 14.9014,
35.4742

■ 37.8852, 38.7007,
38.7314

■ 42.5622, 42.3233,
39.1841

■ 47.7089, 46.2299,
39.6669

■ 53.3387, 50.4279,
40.1804

Harmonies

Analogous

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



17.4902, 22.4644, 30.2324



18.8270, 22.4644, 36.6015



20.9180, 22.4644, 39.7688

Triad

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



18.8270, 22.4644, 36.6015



26.1826, 22.4644, 25.7319



19.5311, 22.4644, 14.4542

Complementary

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



18.8270, 22.4644, 36.6015



20.8332, 17.7687, 10.1169

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.



21.7914, 22.4644, 13.6908



18.8270, 22.4644, 36.6015



25.7435, 22.4644, 19.4733

Square

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



18.8270, 22.4644, 36.6015



25.2520, 22.4644, 32.7963



24.0927, 22.4644, 15.3528



17.8753, 22.4644, 17.6714

Rectangle

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



18.8270, 22.4644, 36.6015



22.5028, 22.4644, 39.2860



24.0927, 22.4644, 15.3528



20.2406, 22.4644, 13.9303

Sweetspot

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



18.8277, 22.4653, 36.6020



50.5595, 55.5203, 68.4382



18.3663, 27.8521, 16.9964



10.8310, 11.9588, 14.9811



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.



18.8277, 22.4653, 36.6020



30.6145, 37.1350, 65.9408



14.2422, 13.2941, 35.0735



6.6656, 7.1969, 8.4445



9.7965, 11.6845, 27.6462



0.2085, 0.2756, 0.5054

Inverse Universe

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



22.0277, 15.1941, 25.8175



37.3420, 23.2678, 42.9494



25.5916, 27.2856, 11.7031



6.8253, 6.7230, 7.9311



13.7430, 6.8018, 13.4296



0.2626, 0.1283, 0.3287

Previews

White Background



This preview shows how the XYZ color 18.8270, 22.4644, 36.6015 looks on a white background.

Color Contrast Check

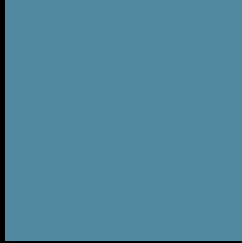
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8270, 22.4644, 36.6015 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

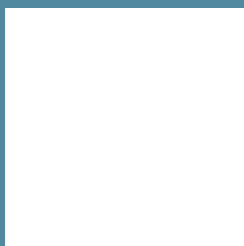
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8270, 22.4644, 36.6015

Background



This preview shows how black text looks on a background with the XYZ color 18.8270, 22.4644, 36.6015.



This preview shows how white text looks on a background with the XYZ color 18.8270, 22.4644,

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

18.8270, 22.4644, 36.6015

Protanopia

22.1404, 22.3936, 33.7273

Deuteranopia

22.7151, 22.2230, 37.2747



Tritanopia

18.1059, 22.6102, 32.6881

Trichromacy



Original Color

18.8270, 22.4644, 36.6015

Protanomaly

20.5587, 22.1540, 34.6451

Deuteranomaly

20.9797, 22.1208, 36.8822

Tritanomaly

18.2898, 22.4606, 33.9432

Monochromacy



Original Color

18.8270, 22.4644, 36.6015

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.3474, 20.4041, 26.2639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8270, 22.4644, 36.6015 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(81, 138, 160)` looks like.

```
.text, #text, p{  
    color:rgb(81, 138, 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(81, 138, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 138, 160) }
```

Border

The CSS property to change the border of an element to XYZ 18.8270, 22.4644, 36.6015 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(81, 138, 160) }
```


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

```
.border{ border-color:rgb(81, 138, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 138, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 138, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 138, 160);  
box-shadow:4px 4px 4px 4px rgb(81, 138,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8270, 22.4644, 36.6015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 138, 160) }
```

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

```
.background{ background-color: rgb(81, 138,  
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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