

Converting Colors

XYZ(18.5389, 23.0563, 36.3178)

Have a look what the booklet for
XYZ(18.5389, 23.0563, 36.3178)
contains.

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Color

**XYZ(18.4554, 22.9307,
36.2542)**

Conversions

Conversions Part 1

Format	Color
Hex	488D9F
RGB	72, 141, 159
RGB Percent	28%, 55%, 62%
CMY	0.7176, 0.4470, 0.3765
CMYK	0.55, 0.11, 0.00, 0.38
HSL	192°, 38%, 45%
HSV	192°, 55%, 62%
XYZ	18.4554, 22.9307, 36.2542
YIQ	122.4210, -46.9020, -9.0300

Conversions

Conversions Part 2

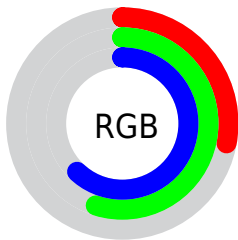
Format	Color
R_{YB}	72, 110, 159
Decimal	4754847
CIE _{Lab}	55.00, -16.51, -16.21
CIE _{LCh}	55, 23.131, 224.476
Yxy	22.9307, 0.2377, 0.2953
Android (android.graphics.Color)	4282944927 (0xFF488D9F)
YUV	122.4210, 18.0334, -44.2192
Hunter-Lab	47.8860, -15.0061, -11.3679

Details

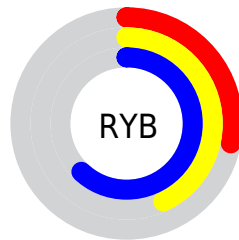
The XYZ color **18.4554, 22.9307, 36.2542** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.1245, 15.1518, 8.0483**, and the grayscale version is **18.5909, 19.5590, 21.2998**.

A 20% lighter version of the original color is **40.4051, 48.3973, 70.8304**, and **6.4479, 8.5649, 15.5007** is the 20% darker color. If you saturate the color by 10%, you get **16.9421, 21.4416, 36.0470**, and if you desaturate by 10%, it is **20.2911, 24.6083, 36.4817**.

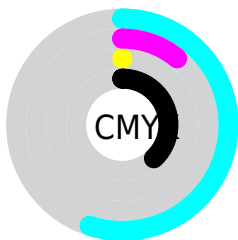
Distribution



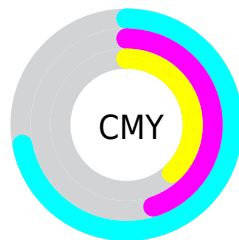
- Red (28%)
- Green (55%)
- Blue (62%)



- Red (28%)
- Yellow (43%)
- Blue (62%)



- Cyan (55%)
- Magenta (11%)
- Yellow (0%)
- Black (38%)



- Cyan (72%)
- Magenta (45%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4554, 22.9307, 36.2542 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 18.4554, 22.9307, 36.2542 by changing the saturation by 10% instead.

■ 18.4554, 22.9307,
36.2542

■ 18.4554, 22.9307,
36.2542

236.4218,
267.3689, 345.1412

■ 11.3791, 14.5423,
24.3393

■ 40.3358, 48.2795,
70.5977

■ 6.3916, 8.4988,
15.3710

■ 55.8707, 66.0088,
93.8634

■ 3.1275, 4.4158,
8.9307

■ 74.9557, 87.6204,
121.7498

■ 1.2216, 1.9087,
4.5998

■ 97.9564, 113.4989,
154.6755

■ 0.1233, 0.5536,
1.9598

■ 125.2379,
144.0286, 193.0589

■ 0.0000, 0.0000,
0.5304

157.1658,

■ 0.0000, 0.0000,

179.5939, 237.3186

0.0000

194.1053,
220.5792, 287.8732

■ 18.4554, 22.9307,
36.2542

■ 18.4554, 22.9307,
36.2542

■ 16.9421, 21.4416,
36.0470

■ 20.2911, 24.6083,
36.4817

■ 15.7248, 20.1259,
35.8572

■ 22.4687, 26.4833,
36.7288

■ 14.7763, 18.9697,
35.6840

■ 25.0088, 28.5669,
36.9971

■ 14.0621, 17.9552,
35.5258

■ 27.9295, 30.8687,
37.2875

■ 13.7324, 17.4519,
35.4460

■ 31.2478, 33.3975,
37.6007

■ 34.9795, 36.1617,
37.9375

■ 39.1398, 39.1693,
38.2988

■ 43.7429, 42.4278,
38.6851

■ 48.8023, 45.9443,
39.0972

Harmonies

Analogous

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



17.3515, 22.9307, 28.6753



18.4554, 22.9307, 36.2542



20.4988, 22.9307, 41.2381

Triad

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



18.4554, 22.9307, 36.2542



26.9118, 22.9307, 28.9505



20.5828, 22.9307, 13.6180

Complementary

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



18.4554, 22.9307, 36.2542



19.1245, 15.1518, 8.0483

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.



23.1446, 22.9307, 13.6628



18.4554, 22.9307, 36.2542



26.9387, 22.9307, 21.5942

Square

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



18.4554, 22.9307, 36.2542



25.4439, 22.9307, 36.4895



25.5148, 22.9307, 16.3065



18.5127, 22.9307, 16.1690

Rectangle

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



18.4554, 22.9307, 36.2542



22.1829, 22.9307, 41.9028



25.5148, 22.9307, 16.3065



21.4116, 22.9307, 13.3486

Sweetspot

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



18.4561, 22.9316, 36.2547



49.1402, 54.6002, 66.6924



16.8913, 26.9025, 13.8428



10.8441, 12.1263, 15.0127



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.



18.4561, 22.9316, 36.2547



29.7391, 37.7724, 64.4668



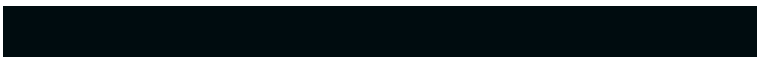
13.3083, 12.6359, 34.5388



6.7053, 7.2763, 8.4577



10.8766, 13.8447, 28.0063



0.2215, 0.3016, 0.5098

Inverse Universe

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



21.4238, 13.9295, 26.7597



35.8817, 20.8377, 44.4330



23.8422, 24.5872, 9.6209



6.8453, 6.7311, 8.0366



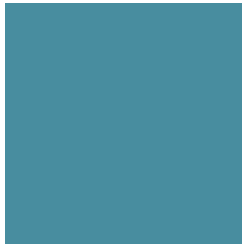
14.2882, 7.0198, 16.3005



0.2691, 0.1310, 0.3633

Previews

White Background



This preview shows how the XYZ color 18.4554, 22.9307, 36.2542 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 18.4554, 22.9307, 36.2542 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

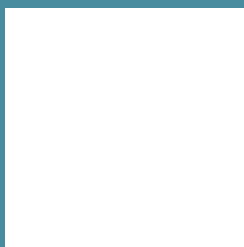
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4554, 22.9307, 36.2542

Background



This preview shows how black text looks on a background with the XYZ color 18.4554, 22.9307, 36.2542.



This preview shows how white text looks on a background with the XYZ color 18.4554, 22.9307,

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

18.4554, 22.9307, 36.2542

Protanopia

22.4025, 22.7443, 32.9151

Deuteranopia

23.1428, 22.6362, 37.3319



Tritanopia

17.9486, 22.9480, 33.6204

Trichromacy



Original Color

18.4554, 22.9307, 36.2542

Protanomaly

20.5049, 22.5426, 34.2808

Deuteranomaly

21.0049, 22.5364, 36.9611

Tritanomaly

18.1879, 23.0522, 34.5013

Monochromacy



Original Color

18.4554, 22.9307, 36.2542

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.9324, 20.3928, 25.9127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4554, 22.9307, 36.2542 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(72, 141, 159)` looks like.

```
.text, #text, p{  
  color:rgb(72, 141, 159)  
}
```

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(72, 141, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 141, 159) }
```

Border

The CSS property to change the border of an element to XYZ 18.4554, 22.9307, 36.2542 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(72, 141, 159) }
```


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

```
.border{ border-color:rgb(72, 141, 159) }
```

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

Here you see how a box with a 4 pixel rgb(72, 141, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 141, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 141, 159);  
box-shadow:4px 4px 4px 4px rgb(72, 141,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4554, 22.9307, 36.2542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 141, 159) }
```

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

```
.background{ background-color: rgb(72, 141,  
159) }
```

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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