

Converting Colors

XYZ(18.5713, 23.1474, 30.4590)

Have a look what the booklet for
XYZ(18.5713, 23.1474, 30.4590)
contains.

XYZ(18.4735, 23.0725, 30.2679)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.4735, 23.0725,
30.2679)**

Conversions

Conversions Part 1

Format	Color
Hex	568D91
RGB	86, 141, 145
RGB Percent	34%, 55%, 57%
CMY	0.6627, 0.4470, 0.4314
CMYK	0.41, 0.03, 0.00, 0.43
HSL	184°, 26%, 45%
HSV	184°, 41%, 57%
XYZ	18.4735, 23.0725, 30.2679
YIQ	125.0110, -34.0640, -10.4160

Conversions

Conversions Part 2

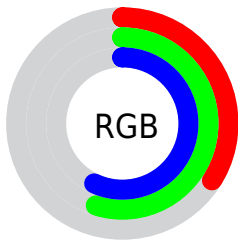
Format	Color
R_YB	86, 114, 145
Decimal	5672337
CIE _{Lab}	55.15, -17.04, -7.86
CIE _{LCh}	55, 18.766, 204.765
Yxy	23.0725, 0.2572, 0.3213
Android (android.graphics.Color)	4283862417 (0xFF568D91)
YUV	125.0110, 9.8546, -34.2126
Hunter-Lab	48.0338, -15.4093, -3.7371

Details

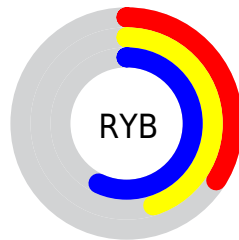
The XYZ color **18.4735, 23.0725, 30.2679** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.0134, 14.0044, 10.6112**, and the grayscale version is **19.4734, 20.4875, 22.3109**.

A 20% lighter version of the original color is **40.4714, 48.6427, 61.2887**, and **6.4338, 8.6317, 12.1535** is the 20% darker color. If you saturate the color by 10%, you get **17.1275, 22.1650, 30.1641**, and if you desaturate by 10%, it is **20.0931, 24.1241, 30.3859**.

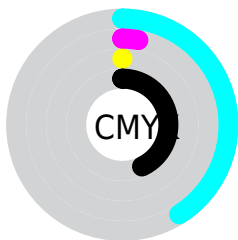
Distribution



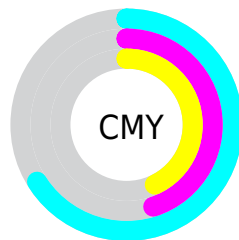
- Red (34%)
- Green (55%)
- Blue (57%)



- Red (34%)
- Yellow (45%)
- Blue (57%)



- Cyan (41%)
- Magenta (3%)
- Yellow (0%)
- Black (43%)



- Cyan (66%)
- Magenta (45%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4735, 23.0725, 30.2679 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 18.4735, 23.0725, 30.2679 by changing the saturation by 10% instead.

■ 18.4735, 23.0725,
30.2679

■ 18.4735, 23.0725,
30.2679

236.5209,
268.0971, 317.3973

■ 11.3922, 14.6470,
19.7882

■ 40.3663, 48.5123,
61.1516

■ 6.4005, 8.5721,
12.0587

■ 55.9085, 66.2955,
82.3927

■ 3.1331, 4.4631,
6.6606

■ 75.0018, 87.9667,
108.0581

■ 1.2245, 1.9359,
3.1756

■ 98.0114, 113.9104,
138.5662

■ 0.1256, 0.5698,
1.1850

125.3028,
144.5109, 174.3356

■ 0.0000, 0.0000,
0.0000

157.2413,

180.1525, 215.7850

194.1922,
221.2198, 263.3327

■ 18.4735, 23.0725,
30.2679

■ 18.4735, 23.0725,
30.2679

■ 17.1275, 22.1650,
30.1641

■ 20.0931, 24.1241,
30.3859

■ 16.0364, 21.3902,
30.0720

■ 21.9992, 25.3247,
30.5172

■ 15.1827, 20.7397,
29.9915

■ 24.2067, 26.6826,
30.6630

■ 14.5457, 20.2029,
29.9214

■ 26.7284, 28.2045,
30.8238

■ 14.1010, 19.7670,
29.8607

■ 29.5768, 29.8966,
31.0003

■ 13.7991, 19.4207,
29.8098

■ 32.7634, 31.7651,
31.1930

■ 36.2993, 33.8156,
31.4024

■ 40.1952, 36.0536,
31.6290

■ 44.4610, 38.4842,
31.8734

Harmonies

Analogous

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



18.1600, 23.0725, 24.0847



18.4735, 23.0725, 30.2679



19.6881, 23.0725, 35.7651

Triad

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



18.4735, 23.0725, 30.2679



25.3851, 23.0725, 32.3782



22.2991, 23.0725, 15.3008

Complementary

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



18.4735, 23.0725, 30.2679



17.0134, 14.0044, 10.6112

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.



24.3353, 23.0725, 16.8324



18.4735, 23.0725, 30.2679



26.1880, 23.0725, 26.1887

Square

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



18.4735, 23.0725, 30.2679



23.6597, 23.0725, 37.1130



25.7922, 23.0725, 20.5952



20.2862, 23.0725, 16.0397

Rectangle

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



18.4735, 23.0725, 30.2679



20.8887, 23.0725, 37.9693



25.7922, 23.0725, 20.5952



23.0047, 23.0725, 15.5588

Sweetspot

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



18.4742, 23.0734, 30.2684



42.6958, 47.3850, 54.8695



15.8064, 22.9668, 13.2586



9.3959, 10.4788, 12.1996



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.4742, 23.0734, 30.2684



30.8184, 39.7943, 54.0303



14.6957, 15.5164, 29.0089



5.5294, 6.0546, 6.9060



11.8433, 16.6726, 25.5710



0.1193, 0.1716, 0.2465

Inverse Universe

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



19.8132, 14.5991, 26.9739



33.6048, 22.5849, 47.0791



20.0059, 19.9893, 11.6087



5.6107, 5.5048, 6.7139



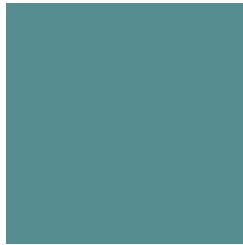
13.7811, 6.6694, 20.2962



0.1348, 0.0650, 0.2102

Previews

White Background



This preview shows how the XYZ color 18.4735, 23.0725, 30.2679 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 18.4735, 23.0725, 30.2679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

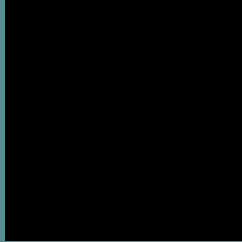
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4735, 23.0725, 30.2679

Background



This preview shows how black text looks on a background with the XYZ color 18.4735, 23.0725, 30.2679.



This preview shows how white text looks on a background with the XYZ color 18.4735, 23.0725,

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

18.4735, 23.0725, 30.2679

Protanopia

22.2922, 23.0022, 27.6910

Deuteranopia

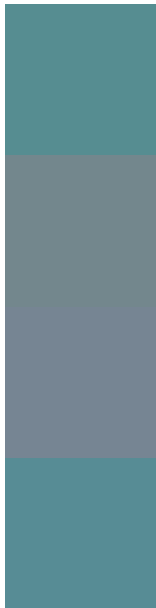
23.3810, 22.8948, 31.2038



Tritanopia

18.9885, 23.0652, 32.7294

Trichromacy



Original Color

18.4735, 23.0725, 30.2679

Protanomaly

20.5419, 22.8959, 28.5360

Deuteranomaly

21.1252, 22.7332, 30.8783

Tritanomaly

18.7334, 22.9523, 31.8767

Monochromacy



Original Color

18.4735, 23.0725, 30.2679

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.8367, 21.2780, 24.9441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4735, 23.0725, 30.2679 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(86, 141, 145)` looks like.

```
.text, #text, p{  
    color:rgb(86, 141, 145)  
}
```

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(86, 141, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 141, 145) }
```

Border

The CSS property to change the border of an element to XYZ 18.4735, 23.0725, 30.2679 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(86, 141, 145) }
```


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

```
.border{ border-color:rgb(86, 141, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 141, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(86, 141, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(86, 141, 145); box-shadow:4px 4px 4px 4px rgb(86, 141, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4735, 23.0725, 30.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 141, 145) }
```

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

```
.background{ background-color: rgb(86, 141,  
145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor