

Converting Colors

XYZ(23.1727, 29.5325, 30.0702)

Have a look what the booklet for
XYZ(23.1727, 29.5325, 30.0702)
contains.

XYZ(23.1727, 29.5325, 30.0702)	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(23.1727, 29.5325,
30.0702)**

Conversions

Conversions Part 1

Format	Color
Hex	6B9E8E
RGB	107, 158, 142
RGB Percent	42%, 62%, 56%
CMY	0.5804, 0.3804, 0.4431
CMYK	0.32, 0.00, 0.10, 0.38
HSL	161°, 21%, 52%
HSV	161°, 32%, 62%
XYZ	23.1727, 29.5325, 30.0702
YIQ	140.9270, -25.2600, -15.7880

Conversions

Conversions Part 2

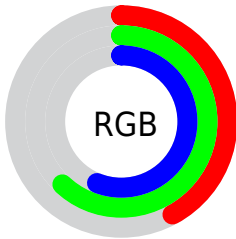
Format	Color
RYB	107, 137, 158
Decimal	7052942
CIELab	61.25, -20.61, 2.94
CIElCh	61, 20.822, 171.871
Yxy	29.5325, 0.2799, 0.3568
Android (android.graphics.Color)	4285243022 (0xFF6B9E8E)
YUV	140.9270, 0.5290, -29.7540
Hunter-Lab	54.3438, -18.9876, 5.2336

Details

The XYZ color **23.1727, 29.5325, 30.0702** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.9343, 19.2152, 21.2401**, and the grayscale version is **25.2945, 26.6118, 28.9803**.

A 20% lighter version of the original color is **48.2553, 59.0476, 61.0786**, and **8.7731, 11.9506, 11.9695** is the 20% darker color. If you saturate the color by 10%, you get **21.0801, 28.4966, 28.0728**, and if you desaturate by 10%, it is **25.6306, 30.7564, 32.1724**.

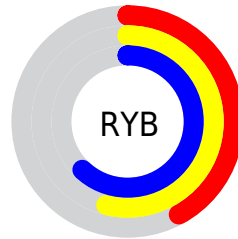
Distribution



Red (42%)

Green (62%)

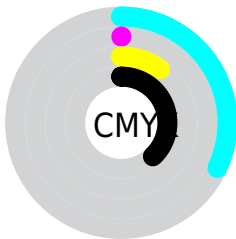
Blue (56%)



Red (42%)

Yellow (54%)

Blue (62%)

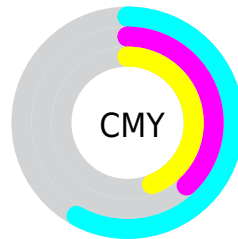


Cyan (32%)

Magenta (0%)

Yellow (10%)

Black (38%)



Cyan (58%)

Magenta (38%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1727, 29.5325, 30.0702 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 23.1727, 29.5325, 30.0702 by changing the saturation by 10% instead.

■ 23.1727, 29.5325,
30.0702

■ 23.1727, 29.5325,
30.0702

261.1296,
299.7192, 316.4490

■ 14.8425, 19.4840,
19.6394

■ 48.1413, 58.9221,
60.8355

■ 8.7945, 12.0205,
11.9517

■ 65.5104, 79.0319,
82.0070

■ 4.6634, 6.7577,
6.5887

■ 86.6232, 103.2644,
107.5959

■ 2.0839, 3.3110,
3.1317

■ 111.8450,
132.0038, 138.0207

■ 0.6804, 1.2962,
1.1623

141.5412,
165.6346, 173.6998

■ 0.0000, 0.1382,
0.0000

176.0771,

■ 0.0000, 0.0000,

204.5412, 215.0519

0.0000

215.8181,
249.1079, 262.4954

■ 23.1727, 29.5325,
30.0702

■ 23.1727, 29.5325,
30.0702

■ 21.0801, 28.4966,
28.0728

■ 25.6306, 30.7564,
32.1724

■ 19.3313, 27.6352,
26.1761

■ 28.4691, 32.1738,
34.3794

■ 17.9060, 26.9387,
24.3788

■ 31.7055, 33.7944,
36.6935

■ 16.7810, 26.3953,
22.6785

■ 35.3553, 35.6261,
39.1167

■ 15.9298, 25.9911,
21.0730

■ 39.4333, 37.6764,
41.6505

■ 15.3208, 25.7100,
19.5594

■ 43.9532, 39.9527,
44.2967

■ 14.9571, 25.5467,
18.4502

■ 48.9286, 42.4616,
47.0569

■ 54.3721, 45.2098,
49.9327

■ 60.2959, 48.2036,
52.9256

Harmonies

Analogous

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



24.1278, 29.5325, 23.7140



23.1727, 29.5325, 30.0702



23.4609, 29.5325, 38.1077

Triad

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



23.1727, 29.5325, 30.0702



30.0775, 29.5325, 48.2807



31.4483, 29.5325, 21.6915

Complementary

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



23.1727, 29.5325, 30.0702



22.9343, 19.2152, 21.2401

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.



33.2458, 29.5325, 26.8585



23.1727, 29.5325, 30.0702



32.4193, 29.5325, 42.3954

Square

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



23.1727, 29.5325, 30.0702



27.3317, 29.5325, 49.5157



33.6123, 29.5325, 34.3358



28.8210, 29.5325, 19.4173

Rectangle

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



23.1727, 29.5325, 30.0702



24.3282, 29.5325, 43.3091



33.6123, 29.5325, 34.3358



32.1765, 29.5325, 23.1034

Sweetspot

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



23.1735, 29.5337, 30.0709



52.8616, 59.0072, 63.2896



23.0714, 29.7385, 18.4344



11.7500, 13.2193, 14.1452



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.



23.1735, 29.5337, 30.0709



39.1763, 52.1907, 51.8736



22.9280, 26.9798, 36.3484



6.7332, 7.4740, 8.0296



11.9969, 20.4667, 14.8725



0.2326, 0.3732, 0.3614

Inverse Universe

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



22.9343, 19.2152, 21.2401



38.6747, 30.3644, 33.2156



23.0411, 20.9030, 16.7305



6.7145, 6.6787, 7.3478



11.7630, 6.0098, 3.0029



0.2282, 0.1146, 0.1479

Previews

White Background



This preview shows how the XYZ color 23.1727, 29.5325, 30.0702 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 23.1727, 29.5325, 30.0702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

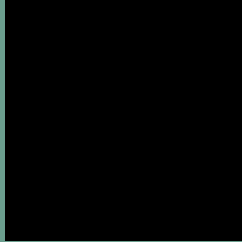
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1727, 29.5325, 30.0702

Background



This preview shows how black text looks on a background with the XYZ color 23.1727, 29.5325, 30.0702.



This preview shows how white text looks on a background with the XYZ color 23.1727, 29.5325,

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

23.1727, 29.5325, 30.0702

Protanopia

28.0145, 29.4173, 27.4941

Deuteranopia

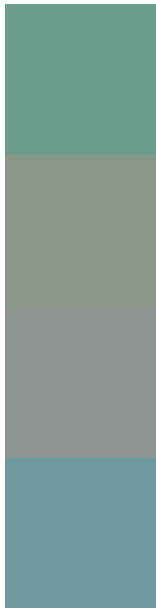
29.6841, 29.0717, 30.8349



Tritanopia

25.3407, 29.4119, 40.9007

Trichromacy



Original Color

23.1727, 29.5325, 30.0702

Protanomaly

25.8074, 29.2024, 28.3212

Deuteranomaly

26.7793, 28.9442, 30.5609

Tritanomaly

24.4484, 29.2908, 36.7129

Monochromacy



Original Color

23.1727, 29.5325, 30.0702

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.2947, 27.4577, 29.2187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1727, 29.5325, 30.0702 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(107, 158, 142)` looks like.

```
.text, #text, p{  
    color:rgb(107, 158, 142)  
}
```

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(107, 158, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 158, 142) }
```

Border

The CSS property to change the border of an element to XYZ 23.1727, 29.5325, 30.0702 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(107, 158, 142) }
```


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

```
.border{ border-color:rgb(107, 158, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 158, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 158, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 158, 142);  
box-shadow:4px 4px 4px 4px rgb(107, 158,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1727, 29.5325, 30.0702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 158, 142) }
```

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

```
.background{ background-color: rgb(107,  
158, 142) }
```

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