

Converting Colors

XYZ(20.9009, 23.1857, 29.2182)

Have a look what the booklet for
XYZ(20.9009, 23.1857, 29.2182)
contains.

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Color

**XYZ(20.9645, 23.3045,
29.3799)**

Conversions

Conversions Part 1

Format	Color
Hex	74888F
RGB	116, 136, 143
RGB Percent	45%, 53%, 56%
CMY	0.5451, 0.4667, 0.4392
CMYK	0.19, 0.05, 0.00, 0.44
HSL	196°, 11%, 51%
HSV	196°, 19%, 56%
XYZ	20.9645, 23.3045, 29.3799
YIQ	130.8180, -14.1670, -2.0630

Conversions

Conversions Part 2

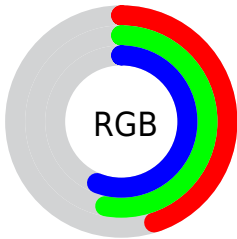
Format	Color
R_{YB}	116, 127, 143
Decimal	7637135
CIE _{Lab}	55.38, -5.59, -6.16
CIE _{LCh}	55, 8.321, 227.780
Y _{xy}	23.3045, 0.2847, 0.3164
Android (android.graphics.Color)	4285827215 (0xFF74888F)
Y _{UV}	130.8180, 6.0057, -12.9954
Hunter-Lab	48.2747, -6.9627, -2.2915

Details

The XYZ color **20.9645, 23.3045, 29.3799** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.5631, 21.2664, 19.4916**, and the grayscale version is **21.4919, 22.6111, 24.6235**.

A 20% lighter version of the original color is **44.4241, 48.7512, 59.8919**, and **7.6183, 8.6392, 11.6219** is the 20% darker color. If you saturate the color by 10%, you get **18.6952, 21.3737, 29.1272**, and if you desaturate by 10%, it is **23.5459, 25.4242, 29.6534**.

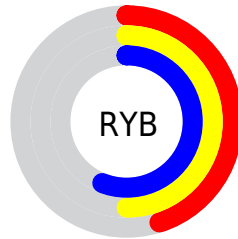
Distribution



Red (45%)

Green (53%)

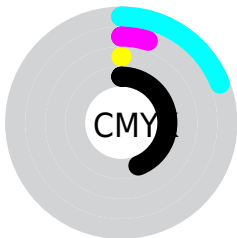
Blue (56%)



Red (45%)

Yellow (50%)

Blue (56%)

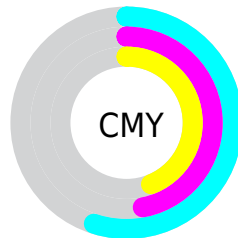


Cyan (19%)

Magenta (5%)

Yellow (0%)

Black (44%)



Cyan (55%)

Magenta (47%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9645, 23.3045, 29.3799 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 20.9645, 23.3045, 29.3799 by changing the saturation by 10% instead.

■ 20.9645, 23.3045,
29.3799

■ 20.9645, 23.3045,
29.3799

249.8251,
269.2851, 313.1201

■ 13.2104, 14.8185,
19.1204

■ 44.5202, 48.8928,
59.7295

■ 7.6516, 8.6921,
11.5796

■ 61.0524, 66.7640,
80.6566

■ 3.9227, 4.5409,
6.3390

■ 81.2414, 88.5323,
105.9767

■ 1.6585, 1.9805,
2.9802

105.4525,
114.5821, 136.1082

■ 0.4301, 0.5961,
1.0845

134.0511,
145.2980, 171.4698

■ 0.0000, 0.0000,
0.0000

167.4024,

181.0641, 212.4800

205.8720,
222.2651, 259.5572

■ 20.9645, 23.3045,
29.3799

■ 20.9645, 23.3045,
29.3799

■ 18.6952, 21.3737,
29.1272

■ 23.5459, 25.4242,
29.6534

■ 16.7224, 19.6216,
28.8930

■ 26.4499, 27.7368,
29.9467

■ 15.0322, 18.0415,
28.6771

■ 29.6892, 30.2495,
30.2609

■ 13.6088, 16.6249,
28.4787

■ 33.2752, 32.9685,
30.5968

■ 12.4347, 15.3625,
28.2969

■ 37.2185, 35.8995,
30.9547

■ 11.4901, 14.2439,
28.1308

■ 41.5295, 39.0482,
31.3352

■ 10.7523, 13.2570,
27.9792

■ 46.2180, 42.4198,
31.7389

■ 10.1685, 12.3744,
27.8396

■ 51.2936, 46.0195,
32.1662

■ 10.1056, 12.2784,
27.8244

■ 56.7653, 49.8522,
32.6176

Harmonies

Analogous

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



20.4828, 23.3045, 26.9788



20.9645, 23.3045, 29.3799



21.7720, 23.3045, 30.7441

Triad

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



20.9645, 23.3045, 29.3799



23.9533, 23.3045, 26.4796



21.6060, 23.3045, 20.7827

Complementary

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



20.9645, 23.3045, 29.3799



21.5631, 21.2664, 19.4916

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.



22.5328, 23.3045, 20.6699



20.9645, 23.3045, 29.3799



23.9058, 23.3045, 23.8354

Square

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



20.9645, 23.3045, 29.3799



23.5078, 23.3045, 28.9924



23.3798, 23.3045, 21.7510



20.8459, 23.3045, 22.0711

Rectangle

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



20.9645, 23.3045, 29.3799



22.3944, 23.3045, 30.8229



23.3798, 23.3045, 21.7510



21.9079, 23.3045, 20.6095

Sweetspot

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



20.9652, 23.3055, 29.3804



43.5400, 46.6357, 53.2448



20.5848, 24.7821, 22.3558



9.9192, 10.6421, 12.2035



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.



20.9652, 23.3055, 29.3804



35.6051, 40.1018, 52.4019



19.2127, 19.8005, 28.7963



5.4436, 5.8830, 6.8774



8.9526, 10.8912, 24.6074



0.1034, 0.1398, 0.2412

Inverse Universe

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



22.0175, 20.1084, 26.0146



37.9022, 33.3009, 45.0149



23.3199, 24.7798, 20.0772



5.5674, 5.4875, 6.4858



12.3220, 6.0858, 12.6127



0.1268, 0.0618, 0.1680

Previews

White Background



This preview shows how the XYZ color 20.9645, 23.3045, 29.3799 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 20.9645, 23.3045, 29.3799 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 20.9645, 23.3045, 29.3799

Background



This preview shows how black text looks on a background with the XYZ color 20.9645, 23.3045, 29.3799.



This preview shows how white text looks on a background with the XYZ color 20.9645, 23.3045,

29.3799.

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

20.9645, 23.3045, 29.3799

Protanopia

22.5006, 23.3015, 28.1227

Deuteranopia

23.6995, 23.2896, 29.6318



Tritanopia

21.1884, 23.1852, 30.5526

Trichromacy



Original Color

20.9645, 23.3045, 29.3799

Protanomaly

21.7994, 23.1338, 28.5156

Deuteranomaly

22.6454, 23.3414, 29.6974

Tritanomaly

21.1109, 23.1542, 30.1446

Monochromacy



Original Color

20.9645, 23.3045, 29.3799

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.3649, 22.9599, 26.2273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9645, 23.3045, 29.3799 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(116, 136, 143)` looks like.

```
.text, #text, p{  
    color:rgb(116, 136, 143)  
}
```

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(116, 136, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 136, 143) }
```

Border

The CSS property to change the border of an element to XYZ 20.9645, 23.3045, 29.3799 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(116, 136, 143) }
```


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

```
.border{ border-color:rgb(116, 136, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 136, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 136, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 136, 143);  
box-shadow:4px 4px 4px 4px rgb(116, 136,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9645, 23.3045, 29.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 136, 143) }
```

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

```
.background{ background-color: rgb(116,  
136, 143) }
```

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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