

Converting Colors

XYZ(22.2186, 28.9725, 51.3095)

Have a look what the booklet for
XYZ(22.2186, 28.9725, 51.3095)
contains.

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Color

**XYZ(22.3034, 29.1228,
51.4595)**

Conversions

Conversions Part 1

Format	Color
Hex	25A0BB
RGB	37, 160, 187
RGB Percent	15%, 63%, 73%
CMY	0.8549, 0.3725, 0.2667
CMYK	0.80, 0.14, 0.00, 0.27
HSL	191°, 67%, 44%
HSV	191°, 80%, 73%
XYZ	22.3034, 29.1228, 51.4595
YIQ	126.3010, -81.9750, -17.6790

Conversions

Conversions Part 2

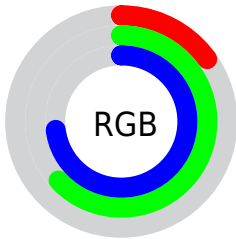
Format	Color
R _Y B	37, 105, 187
Decimal	2465979
CIE Lab	60.89, -23.02, -23.22
CIE LCh	61, 32.697, 225.244
Yxy	29.1228, 0.2168, 0.2831
Android (android.graphics.Color)	4280656059 (0xFF25A0BB)
YUV	126.3010, 29.9246, -78.3170
Hunter-Lab	53.9655, -20.6675, -18.7608

Details

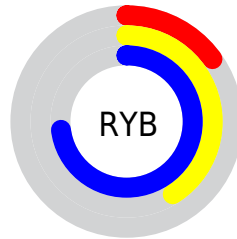
The XYZ color **22.3034, 29.1228, 51.4595** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **22.6620, 14.3667, 3.3299**, and the grayscale version is **19.8565, 20.8906, 22.7499**.

A 20% lighter version of the original color is **46.6624, 58.2601, 93.5800**, and **9.6656, 12.4464, 24.4472** is the 20% darker color. If you saturate the color by 10%, you get **21.2206, 27.7105, 51.2445**, and if you desaturate by 10%, it is **23.7473, 30.7458, 51.6972**.

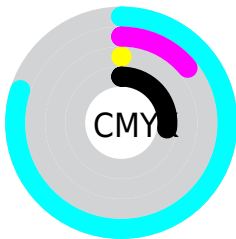
Distribution



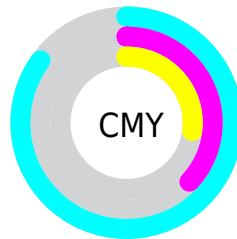
- Red (15%)
- Green (63%)
- Blue (73%)



- Red (15%)
- Yellow (41%)
- Blue (73%)



- Cyan (80%)
- Magenta (14%)
- Yellow (0%)
- Black (27%)



- Cyan (85%)
- Magenta (37%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3034, 29.1228, 51.4595 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 22.3034, 29.1228, 51.4595 by changing the saturation by 10% instead.

■ 22.3034, 29.1228,
51.4595

■ 22.3034, 29.1228,
51.4595

256.7293,
297.7939, 409.2438

■ 14.1979, 19.1737,
36.1952

■ 46.7221, 58.2721,
93.7521

■ 8.3410, 11.7959,
24.2941

■ 63.7659, 78.2412,
121.6174

■ 4.3676, 6.6048,
15.3377

■ 84.5199, 102.3190,
154.5201

■ 1.9121, 3.2162,
8.9075

■ 109.3494,
130.8901, 192.8788

■ 0.5839, 1.2456,
4.5849

■ 138.6197,
164.3387, 237.1120

■ 0.0000, 0.0985,
1.9514

172.6962,

■ 0.0000, 0.0000,

203.0493, 287.6382

0.5251

211.9443,
247.4062, 344.8759

■ 0.0000, 0.0000,
0.0000

■ 22.3034, 29.1228,
51.4595

■ 22.3034, 29.1228,
51.4595

■ 21.2206, 27.7105,
51.2445

■ 23.7473, 30.7458,
51.6972

■ 20.4167, 26.4817,
51.0497

■ 25.5958, 32.6004,
51.9578

■ 27.8890, 34.7082,
52.2438

■ 30.6613, 37.0869,
52.5568

■ 33.9438, 39.7527,
52.8983

■ 37.7646, 42.7205,
53.2698

■ 42.1501, 46.0038,
53.6724

■ 47.1246, 49.6155,
54.1073

■ 52.7112, 53.5676,
54.5757

Harmonies

Analogous

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



20.5045, 29.1228, 38.2875



22.3034, 29.1228, 51.4595



25.6456, 29.1228, 60.2407

Triad

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



22.3034, 29.1228, 51.4595



36.3826, 29.1228, 38.0693



25.5817, 29.1228, 14.0319

Complementary

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



22.3034, 29.1228, 51.4595



22.6620, 14.3667, 3.3299

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.



29.8200, 29.1228, 14.0019



22.3034, 29.1228, 51.4595



36.3610, 29.1228, 25.9322

Square

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



22.3034, 29.1228, 51.4595



33.9151, 29.1228, 51.2649



33.8587, 29.1228, 17.7963



22.2608, 29.1228, 17.8924

Rectangle

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



22.3034, 29.1228, 51.4595



28.4358, 29.1228, 61.2831



33.8587, 29.1228, 17.7963



26.9383, 29.1228, 13.6138

Sweetspot

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



22.3044, 29.1238, 51.4602



64.6541, 74.2217, 95.1200



19.4038, 36.2826, 10.5395



13.7058, 15.9299, 20.8950



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.3044, 29.1238, 51.4602



36.9301, 47.9768, 91.5154



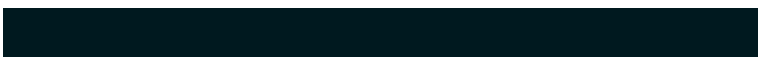
13.1421, 10.7993, 48.4061



9.6586, 10.5095, 12.1917



14.1151, 18.3420, 35.1893



0.5917, 0.7960, 1.3913

Inverse Universe

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



27.5011, 14.4270, 34.5940



47.2797, 23.3202, 56.8908



29.7743, 28.5913, 5.7007



9.8543, 9.6660, 11.6216



18.1254, 8.8813, 21.7519



0.7296, 0.3557, 0.9551

Previews

White Background



This preview shows how the XYZ color 22.3034, 29.1228, 51.4595 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 22.3034, 29.1228, 51.4595 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 22.3034, 29.1228, 51.4595

Background



This preview shows how black text looks on a background with the XYZ color 22.3034, 29.1228, 51.4595.

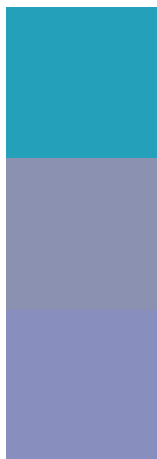


This preview shows how white text looks on a background with the XYZ color 22.3034, 29.1228,

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

22.3034, 29.1228, 51.4595

Protanopia

28.6093, 28.8744, 45.1397

Deuteranopia

29.3798, 28.6407, 53.2700



Tritanopia

20.9891, 29.1064, 45.0693

Trichromacy



Original Color

22.3034, 29.1228, 51.4595

Protanomaly

24.6241, 27.9328, 47.2738

Deuteranomaly

25.2972, 27.9219, 52.7714

Tritanomaly

21.3335, 28.9774, 47.1166

Monochromacy



Original Color

22.3034, 29.1228, 51.4595

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.0499, 22.6948, 31.3935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3034, 29.1228, 51.4595 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(37, 160, 187)` looks like.

```
.text, #text, p{  
    color:rgb(37, 160, 187)  
}
```

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(37, 160, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 160, 187) }
```

Border

The CSS property to change the border of an element to XYZ 22.3034, 29.1228, 51.4595 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(37, 160, 187) }
```


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

```
.border{ border-color:rgb(37, 160, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 160, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 160, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 160, 187);  
box-shadow:4px 4px 4px 4px rgb(37, 160,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3034, 29.1228, 51.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 160, 187) }
```

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

```
.background{ background-color: rgb(37, 160,  
187) }
```

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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