

Converting Colors

XYZ(21.3012, 27.6049, 49.5543)

Have a look what the booklet for
XYZ(21.3012, 27.6049, 49.5543)
contains.

XYZ(21.3031, 27.6309, 49.5579)	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(21.3031, 27.6309,
49.5579)**

Conversions

Conversions Part 1

Format	Color
Hex	259CB8
RGB	37, 156, 184
RGB Percent	15%, 61%, 72%
CMY	0.8549, 0.3882, 0.2784
CMYK	0.80, 0.15, 0.00, 0.28
HSL	191°, 67%, 43%
HSV	191°, 80%, 72%
XYZ	21.3031, 27.6309, 49.5579
YIQ	123.6110, -79.9120, -16.5200

Conversions

Conversions Part 2

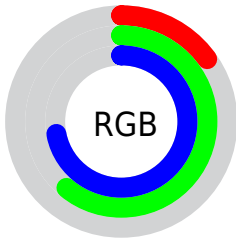
Format	Color
R_{YB}	37, 103, 184
Decimal	2464952
CIE _{Lab}	59.55, -21.94, -23.58
CIE _{LCh}	60, 32.211, 227.057
Yxy	27.6309, 0.2163, 0.2805
Android (android.graphics.Color)	4280655032 (0xFF259CB8)
YUV	123.6110, 29.7718, -75.9578
Hunter-Lab	52.5651, -19.6481, -19.1025

Details

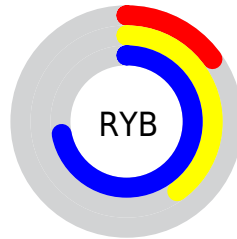
The XYZ color **21.3031, 27.6309, 49.5579** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.9924, 14.1059, 3.3148**, and the grayscale version is **18.9536, 19.9407, 21.7154**.

A 20% lighter version of the original color is **45.0858, 56.0056, 90.8720**, and **9.0470, 11.5393, 23.2232** is the 20% darker color. If you saturate the color by 10%, you get **20.2220, 26.2135, 49.3418**, and if you desaturate by 10%, it is **22.7355, 29.2556, 49.7965**.

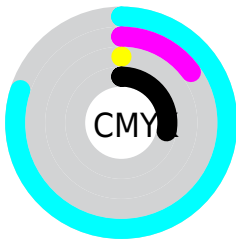
Distribution



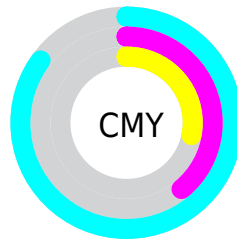
- Red (15%)
- Green (61%)
- Blue (72%)



- Red (15%)
- Yellow (40%)
- Blue (72%)



- Cyan (80%)
- Magenta (15%)
- Yellow (0%)
- Black (28%)



- Cyan (85%)
- Magenta (39%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3031, 27.6309, 49.5579 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 21.3031, 27.6309, 49.5579 by changing the saturation by 10% instead.

■ 21.3031, 27.6309,
49.5579

■ 21.3031, 27.6309,
49.5579

251.5863,
290.6990, 401.6200

■ 13.4595, 18.0476,
34.6935

■ 45.0789, 55.8946,
90.9090

■ 7.8249, 10.9842,
23.1452

■ 61.7418, 75.3438,
118.2329

■ 4.0339, 6.0562,
14.4945

■ 82.0752, 98.8505,
150.5470

■ 1.7214, 2.8793,
8.3227

■ 106.4443,
126.7989, 188.2699

■ 0.4696, 1.0690,
4.2114

■ 135.2147,
159.5736, 231.8201

■ 0.0000, 0.0000,
1.7420

168.7515,

■ 0.0000, 0.0000,

197.5589, 281.6161

0.3893

207.4203,
241.1393, 338.0766

■ 0.0000, 0.0000,
0.0000

■ 21.3031, 27.6309,
49.5579

■ 21.3031, 27.6309,
49.5579

■ 20.2220, 26.2135,
49.3418

■ 22.7355, 29.2556,
49.7965

■ 19.4007, 24.9545,
49.1421

■ 24.5607, 31.1077,
50.0578

■ 19.3917, 24.9404,
49.1399

■ 26.8170, 33.2077,
50.3442

■ 29.5374, 35.5727,
50.6574

■ 32.7517, 38.2183,
50.9986

■ 36.4869, 41.1587,
51.3693

■ 40.7682, 44.4070,
51.7706

■ 45.6190, 47.9755,
52.2037

■ 51.0614, 51.8757,
52.6697

Harmonies

Analogous

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



19.4947, 27.6309, 37.1177



21.3031, 27.6309, 49.5579



24.5553, 27.6309, 57.4984

Triad

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



21.3031, 27.6309, 49.5579



34.6126, 27.6309, 35.3662



24.0423, 27.6309, 13.3957

Complementary

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



21.3031, 27.6309, 49.5579



21.9924, 14.1059, 3.3148

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.



28.0468, 27.6309, 13.1554



21.3031, 27.6309, 49.5579



34.4389, 27.6309, 24.0026

Square

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



21.3031, 27.6309, 49.5579



32.3897, 27.6309, 47.9949



31.9371, 27.6309, 16.5270



20.9610, 27.6309, 17.2984

Rectangle

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



21.3031, 27.6309, 49.5579



27.2313, 27.6309, 58.1136



31.9371, 27.6309, 16.5270



25.3166, 27.6309, 12.9274

Sweetspot

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



21.3040, 27.6319, 49.5586



62.9636, 72.1354, 92.8096



18.8283, 35.0446, 10.6164



13.0666, 15.1496, 19.9571



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.3040, 27.6319, 49.5586



35.5137, 45.7555, 89.1645



12.5513, 10.1266, 46.6410



9.1174, 9.9120, 11.5121



13.4134, 17.2864, 33.8827



0.5108, 0.6853, 1.2071

Inverse Universe

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



26.4303, 13.9147, 32.7462



45.8862, 22.6604, 54.1010



29.1119, 28.3449, 5.6880



9.3056, 9.1326, 10.9566



17.3841, 8.5274, 20.4415



0.6320, 0.3083, 0.8215

Previews

White Background



This preview shows how the XYZ color 21.3031, 27.6309, 49.5579 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 21.3031, 27.6309, 49.5579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

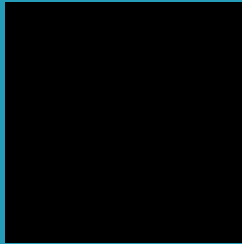
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3031, 27.6309, 49.5579

Background



This preview shows how black text looks on a background with the XYZ color 21.3031, 27.6309, 49.5579.

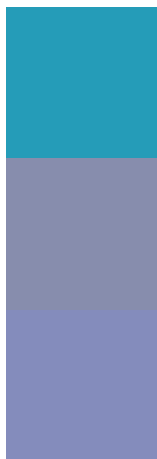


This preview shows how white text looks on a background with the XYZ color 21.3031, 27.6309,

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

21.3031, 27.6309, 49.5579

Protanopia

27.0594, 27.2178, 43.3625

Deuteranopia

27.9709, 27.2925, 51.3707



Tritanopia

19.8660, 27.5427, 42.7973

Trichromacy



Original Color

21.3031, 27.6309, 49.5579

Protanomaly

23.3603, 26.3847, 45.4565

Deuteranomaly

24.1783, 26.6870, 50.8905

Tritanomaly

20.3194, 27.4681, 45.3052

Monochromacy



Original Color

21.3031, 27.6309, 49.5579

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.4061, 21.9590, 30.4625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3031, 27.6309, 49.5579 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, 156, 184)` looks like.

```
.text, #text, p{  
    color:rgb(37, 156, 184)  
}
```

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, 156, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 156, 184) }
```

Border

The CSS property to change the border of an element to XYZ 21.3031, 27.6309, 49.5579 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, 156, 184) }
```


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

```
.border{ border-color:rgb(37, 156, 184) }
```

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

Here you see how a box with a 4 pixel rgb(37, 156, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 156, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 156, 184);  
box-shadow:4px 4px 4px 4px rgb(37, 156,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3031, 27.6309, 49.5579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 156, 184) }
```

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

```
.background{ background-color: rgb(37, 156,  
184) }
```

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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