

Converting Colors

XYZ(24.9219, 31.2417, 52.2937)

Have a look what the booklet for
XYZ(24.9219, 31.2417, 52.2937)
contains.

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Color

**XYZ(24.9219, 31.2417,
52.2937)**

Conversions

Conversions Part 1

Format	Color
Hex	49A3BC
RGB	73, 163, 188
RGB Percent	29%, 64%, 74%
CMY	0.7137, 0.3608, 0.2627
CMYK	0.61, 0.13, 0.00, 0.26
HSL	193°, 46%, 51%
HSV	193°, 61%, 74%
XYZ	24.9219, 31.2417, 52.2937
YIQ	138.9400, -61.6650, -11.3050

Conversions

Conversions Part 2

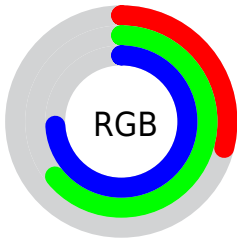
Format	Color
RYB	73, 123, 188
Decimal	4826044
CIELab	62.71, -19.25, -20.92
CIElCh	63, 28.424, 227.379
Yxy	31.2417, 0.2298, 0.2881
Android (android.graphics.Color)	4283016124 (0xFF49A3BC)
YUV	138.9400, 24.1866, -57.8294
Hunter-Lab	55.8943, -18.2262, -16.3447

Details

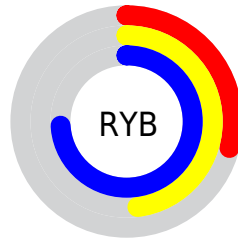
The XYZ color **24.9219, 31.2417, 52.2937** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **26.3101, 19.9086, 8.7603**, and the grayscale version is **24.4454, 25.7184, 28.0074**.

A 20% lighter version of the original color is **50.9163, 61.5800, 94.7905**, and **10.0576, 13.1181, 24.9236** is the 20% darker color. If you saturate the color by 10%, you get **22.9932, 29.1881, 51.9996**, and if you desaturate by 10%, it is **27.3065, 33.5664, 52.6173**.

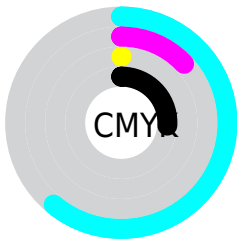
Distribution



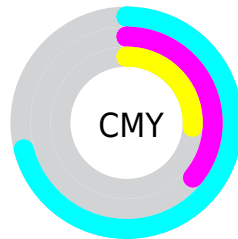
- Red (29%)
- Green (64%)
- Blue (74%)



- Red (29%)
- Yellow (48%)
- Blue (74%)



- Cyan (61%)
- Magenta (13%)
- Yellow (0%)
- Black (26%)



- Cyan (71%)
- Magenta (36%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9219, 31.2417, 52.2937 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 24.9219, 31.2417, 52.2937 by changing the saturation by 10% instead.

■ 24.9219, 31.2417,
52.2937

■ 24.9219, 31.2417,
52.2937

269.8036,
307.6503, 412.5586

■ 16.1473, 20.7830,
36.8554

■ 50.9743, 61.6204,
94.9952

■ 9.7200, 12.9655,
24.8006

■ 68.9828, 82.3092,
123.0955

■ 5.2745, 7.4048,
15.7109

■ 90.8000, 107.1767,
156.2535

■ 2.4456, 3.7165,
9.1677

■ 116.7912,
136.6075, 194.8878

■ 0.8679, 1.5163,
4.7524

■ 147.3218,
170.9858, 239.4169

■ 0.0000, 0.3001,
2.0466

182.7572,

■ 0.0000, 0.0000,

210.6961, 290.2594

0.5837

223.4627,
256.1228, 347.8338

■ 0.0000, 0.0000,
0.0000

■ 24.9219, 31.2417,
52.2937

■ 24.9219, 31.2417,
52.2937

■ 22.9932, 29.1881,
51.9996

■ 27.3065, 33.5664,
52.6173

■ 21.4770, 27.3811,
51.7307

■ 30.1794, 36.1773,
52.9699

■ 20.3265, 25.7967,
51.4855

■ 33.5734, 39.0923,
53.3536

■ 19.5315, 24.5395,
51.2847

■ 37.5175, 42.3267,
53.7700

■ 42.0385, 45.8945,
54.2204

■ 47.1614, 49.8090,
54.7060

■ 52.9097, 54.0826,
55.2279

■ 59.3057, 58.7270,
55.7873

■ 66.3703, 63.7534,
56.3851

Harmonies

Analogous

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



23.1261, 31.2417, 40.8090



24.9219, 31.2417, 52.2937



28.0933, 31.2417, 59.4280

Triad

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



24.9219, 31.2417, 52.2937



37.5888, 31.2417, 38.9041



27.5204, 31.2417, 17.4242

Complementary

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



24.9219, 31.2417, 52.2937



26.3101, 19.9086, 8.7603

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.



31.3550, 31.2417, 17.1318



24.9219, 31.2417, 52.2937



37.4015, 31.2417, 28.0236

Square

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



24.9219, 31.2417, 52.2937



35.5317, 31.2417, 50.6400



35.0401, 31.2417, 20.5882



24.5341, 31.2417, 21.4992

Rectangle

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



24.9219, 31.2417, 52.2937



30.6632, 31.2417, 59.9218



35.0401, 31.2417, 20.5882



28.7460, 31.2417, 16.9178

Sweetspot

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



24.9229, 31.2429, 52.2945



70.2391, 78.5047, 97.6771



22.9324, 38.2639, 17.7127



14.6147, 16.4904, 20.9553



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.



24.9229, 31.2429, 52.2945



40.7640, 51.8616, 94.0880



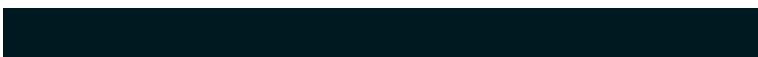
16.9369, 15.2708, 49.6324



9.6278, 10.4480, 12.1814



13.3542, 16.8201, 34.9357



0.5676, 0.7480, 1.3833

Inverse Universe

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



29.7333, 18.1017, 36.5784



50.6751, 27.7381, 61.0453



33.7332, 34.7550, 11.2347



9.8387, 9.6598, 11.5398



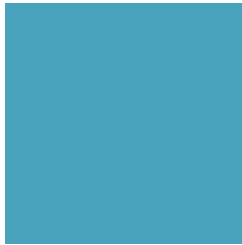
17.7413, 8.7277, 19.7294



0.7174, 0.3509, 0.8912

Previews

White Background



This preview shows how the XYZ color 24.9219, 31.2417, 52.2937 looks on a white background.

Color Contrast Check

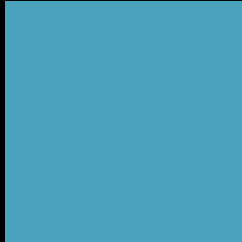
Large Text (above 18pt) WCAG AA × Fail

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 24.9219, 31.2417, 52.2937 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 ✓ Pass

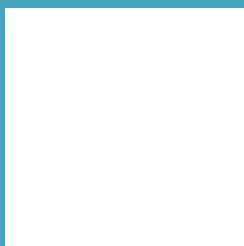
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9219, 31.2417, 52.2937

Background



This preview shows how black text looks on a background with the XYZ color 24.9219, 31.2417, 52.2937.



This preview shows how white text looks on a background with the XYZ color 24.9219, 31.2417,

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

24.9219, 31.2417, 52.2937

Protanopia

30.5612, 30.7693, 46.9761

Deuteranopia

31.4955, 30.8707, 53.5889



Tritanopia

23.8749, 31.3536, 46.9130

Trichromacy



Original Color

24.9219, 31.2417, 52.2937

Protanomaly

27.6068, 30.4105, 48.6708

Deuteranomaly

28.1567, 30.3517, 53.0896

Tritanomaly

24.2447, 31.2304, 49.0062

Monochromacy



Original Color

24.9219, 31.2417, 52.2937

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

23.7459, 27.2590, 35.9083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9219, 31.2417, 52.2937 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(73, 163, 188)` looks like.

```
.text, #text, p{  
    color:rgb(73, 163, 188)  
}
```

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(73, 163, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 163, 188) }
```

Border

The CSS property to change the border of an element to XYZ 24.9219, 31.2417, 52.2937 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(73, 163, 188) }
```


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

```
.border{ border-color:rgb(73, 163, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 163, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 163, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 163, 188);  
box-shadow:4px 4px 4px 4px rgb(73, 163,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9219, 31.2417, 52.2937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 163, 188) }
```

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

```
.background{ background-color: rgb(73, 163,  
188) }
```

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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