

Converting Colors

XYZ(25.0313, 31.3903, 61.5209)

Have a look what the booklet for
XYZ(25.0313, 31.3903, 61.5209)
contains.

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Color

**XYZ(24.9694, 31.3341,
61.2320)**

Conversions

Conversions Part 1

Format	Color
Hex	29A4CB
RGB	41, 164, 203
RGB Percent	16%, 64%, 80%
CMY	0.8392, 0.3569, 0.2039
CMYK	0.80, 0.19, 0.00, 0.20
HSL	194°, 66%, 48%
HSV	194°, 80%, 80%
XYZ	24.9694, 31.3341, 61.2320
YIQ	131.6690, -85.8270, -13.9470

Conversions

Conversions Part 2

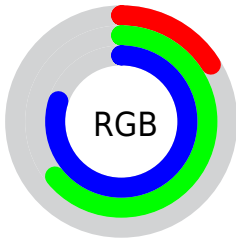
Format	Color
R_{YB}	41, 111, 203
Decimal	2729163
CIE _{Lab}	62.79, -19.38, -29.24
CIE _{LCh}	63, 35.079, 236.467
Yxy	31.3341, 0.2124, 0.2666
Android (android.graphics.Color)	4280919243 (0xFF29A4CB)
YUV	131.6690, 35.1662, -79.5167
Hunter-Lab	55.9769, -18.3367, -25.6724

Details

The XYZ color **24.9694, 31.3341, 61.2320** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **27.8990, 18.5961, 4.2181**, and the grayscale version is **21.7146, 22.8455, 24.8787**.

A 20% lighter version of the original color is **50.1916, 61.3937, 103.8125**, and **11.2190, 13.7583, 30.4981** is the 20% darker color. If you saturate the color by 10%, you get **23.5007, 29.3039, 60.9182**, and if you desaturate by 10%, it is **26.8909, 33.6487, 61.5781**.

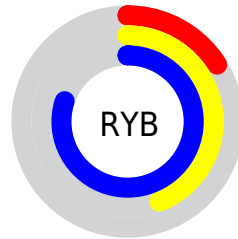
Distribution



Red (16%)

Green (64%)

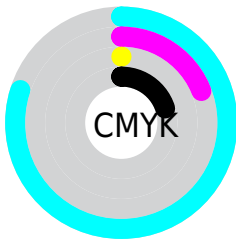
Blue (80%)



Red (16%)

Yellow (44%)

Blue (80%)

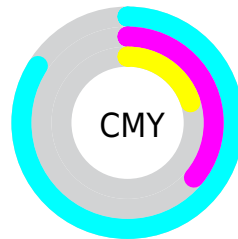


Cyan (80%)

Magenta (19%)

Yellow (0%)

Black (20%)



Cyan (84%)

Magenta (36%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9694, 31.3341, 61.2320 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 24.9694, 31.3341, 61.2320 by changing the saturation by 10% instead.

■ 24.9694, 31.3341,
61.2320

■ 24.9694, 31.3341,
61.2320

270.0360,
308.0746, 447.0542

■ 16.1829, 20.8534,
43.9807

■ 51.0508, 61.7657,
108.1756

■ 9.7453, 13.0169,
30.3182

■ 69.0764, 82.4854,
138.7049

■ 5.2914, 7.4402,
19.8262

■ 90.9124, 107.3868,
174.4973

■ 2.4557, 3.7389,
12.0859

■ 116.9242,
136.8545, 215.9713

■ 0.8730, 1.5286,
6.6790

■ 147.4771,
171.2726, 263.5454

■ 0.0000, 0.3087,
3.1868

182.9364,

■ 0.0000, 0.0000,

211.0258, 317.6383

1.1908

223.6676,
256.4983, 378.6684

■ 0.0000, 0.0000,
0.0000

■ 24.9694, 31.3341,
61.2320

■ 24.9694, 31.3341,
61.2320

■ 23.5007, 29.3039,
60.9182

■ 26.8909, 33.6487,
61.5781

■ 22.3780, 27.5008,
60.6293

■ 29.3188, 36.2744,
61.9569

■ 22.3563, 27.4652,
60.6236

■ 32.3023, 39.2373,
62.3716

■ 35.8836, 42.5600,
62.8242

■ 40.1006, 46.2625,
63.3166

■ 44.9882, 50.3631,
63.8505

■ 50.5784, 54.8791,
64.4275

■ 56.9012, 59.8262,
65.0492

■ 63.9849, 65.2196,
65.7168

Harmonies

Analogous

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



22.2610, 31.3341, 47.3051



24.9694, 31.3341, 61.2320



29.2171, 31.3341, 67.8813

Triad

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



24.9694, 31.3341, 61.2320



39.9757, 31.3341, 35.7721



25.8554, 31.3341, 15.5052

Complementary

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



24.9694, 31.3341, 61.2320



27.8990, 18.5961, 4.2181

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.



30.3544, 31.3341, 13.9523



24.9694, 31.3341, 61.2320



38.8311, 31.3341, 23.6414

Square

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



24.9694, 31.3341, 61.2320



38.1564, 31.3341, 50.8998



35.1766, 31.3341, 16.4879



22.7326, 31.3341, 21.5007

Rectangle

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



24.9694, 31.3341, 61.2320



32.4756, 31.3341, 66.2588



35.1766, 31.3341, 16.4879



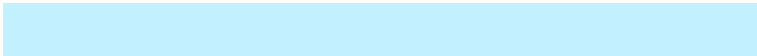
27.2419, 31.3341, 14.5297

Sweetspot

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



24.9705, 31.3352, 61.2328



71.4852, 81.1397, 106.5016



23.6756, 43.7458, 14.5571



14.6802, 16.8436, 22.7274



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



24.9705, 31.3352, 61.2328



37.9319, 46.7942, 101.6407



14.8814, 11.1570, 57.8697



11.3055, 12.2515, 14.3393



14.3011, 17.6261, 38.6047



0.7943, 1.0223, 2.0104

Inverse Universe

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



32.1233, 16.9639, 36.7042



51.3217, 25.4698, 54.4735



37.5663, 37.9308, 7.4406



11.5676, 11.3558, 13.5235



19.4294, 9.5824, 20.5118



1.0309, 0.5057, 1.2084

Previews

White Background



This preview shows how the XYZ color 24.9694, 31.3341, 61.2320 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 24.9694, 31.3341, 61.2320 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 24.9694, 31.3341, 61.2320

Background



This preview shows how black text looks on a background with the XYZ color 24.9694, 31.3341, 61.2320.

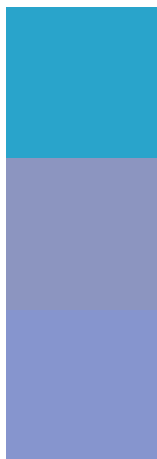


This preview shows how white text looks on a background with the XYZ color 24.9694, 31.3341,

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

24.9694, 31.3341, 61.2320

Protanopia

31.0771, 30.8761, 54.1909

Deuteranopia

31.7195, 31.0195, 62.7081



Tritanopia

22.3431, 31.3415, 48.5880

Trichromacy



Original Color

24.9694, 31.3341, 61.2320



Protanomaly

27.2283, 30.0398, 56.5877



Deuteranomaly

27.8306, 30.2283, 62.1254



Tritanomaly

23.2010, 31.4131, 52.9846

Monochromacy



Original Color

24.9694, 31.3341, 61.2320



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

21.2904, 25.0678, 36.0642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9694, 31.3341, 61.2320 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(41, 164, 203)` looks like.

```
.text, #text, p{  
    color:rgb(41, 164, 203)  
}
```

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(41, 164, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 164, 203) }
```

Border

The CSS property to change the border of an element to XYZ 24.9694, 31.3341, 61.2320 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(41, 164, 203) }
```


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

```
.border{ border-color:rgb(41, 164, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 164, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 164, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 164, 203);  
box-shadow:4px 4px 4px 4px rgb(41, 164,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9694, 31.3341, 61.2320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 164, 203) }
```

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

```
.background{ background-color: rgb(41, 164,  
203) }
```

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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