

Converting Colors

XYZ(25.0399, 33.1778, 59.0568)

Have a look what the booklet for
XYZ(25.0399, 33.1778, 59.0568)
contains.

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Color

**XYZ(24.9720, 33.0217,
59.0905)**

Conversions

Conversions Part 1

Format	Color
Hex	14AAC7
RGB	20, 170, 199
RGB Percent	8%, 67%, 78%
CMY	0.9215, 0.3333, 0.2196
CMYK	0.90, 0.15, 0.00, 0.22
HSL	190°, 82%, 43%
HSV	190°, 90%, 78%
XYZ	24.9720, 33.0217, 59.0905
YIQ	128.4560, -98.7090, -22.7810

Conversions

Conversions Part 2

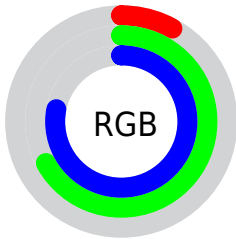
Format	Color
RYB	20, 102, 199
Decimal	1354439
CIELab	64.18, -25.36, -24.90
CIELCh	64, 35.537, 224.475
Yxy	33.0217, 0.2133, 0.2820
Android (android.graphics.Color)	4279544519 (0xFF14AAC7)
YUV	128.4560, 34.7782, -95.1159
Hunter-Lab	57.4645, -22.9932, -20.7425

Details

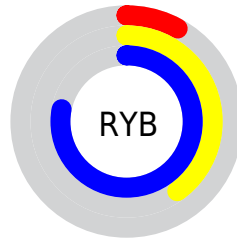
The XYZ color **24.9720, 33.0217, 59.0905** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.7793, 14.3915, 2.1348**, and the grayscale version is **20.5866, 21.6587, 23.5863**.

A 20% lighter version of the original color is **51.0721, 64.6160, 104.3881**, and **11.4721, 14.7669, 29.0337** is the 20% darker color. If you saturate the color by 10%, you get **24.0886, 31.6805, 58.8788**, and if you desaturate by 10%, it is **26.1682, 34.5473, 59.3226**.

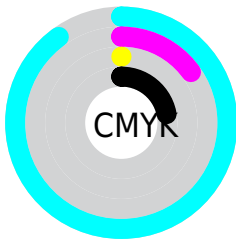
Distribution



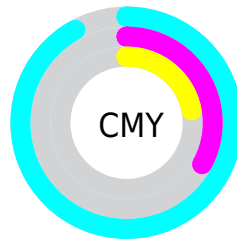
- Red (8%)
- Green (67%)
- Blue (78%)



- Red (8%)
- Yellow (40%)
- Blue (78%)



- Cyan (90%)
- Magenta (15%)
- Yellow (0%)
- Black (22%)



- Cyan (92%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9720, 33.0217, 59.0905 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 24.9720, 33.0217, 59.0905 by changing the saturation by 10% instead.

■ 24.9720, 33.0217,
59.0905

■ 24.9720, 33.0217,
59.0905

270.0487,
315.7475, 438.9484

■ 16.1848, 22.1431,
42.2655

■ 51.0550, 64.4094,
105.0396

■ 9.7467, 13.9621,
28.9821

■ 69.0816, 85.6873,
135.0008

■ 5.2923, 8.0943,
18.8218

■ 90.9186, 111.2003,
170.1777

■ 2.4563, 4.1553,
11.3661

■ 116.9315,
141.3330, 210.9890

■ 0.8733, 1.7608,
6.1964

■ 147.4856,
176.4697, 257.8532

■ 0.0000, 0.4626,
2.8941

182.9462,

■ 0.0000, 0.0000,

216.9947, 311.1888

1.0408

223.6788,
263.2925, 371.4144

■ 0.0000, 0.0000,
0.0000

■ 24.9720, 33.0217,
59.0905

■ 24.9720, 33.0217,
59.0905

■ 24.0886, 31.6805,
58.8788

■ 26.1682, 34.5473,
59.3226

■ 24.0833, 31.6723,
58.8775

■ 27.7758, 36.3066,
59.5774

■ 29.8498, 38.3287,
59.8584

■ 32.4359, 40.6372,
60.1677

■ 35.5741, 43.2529,
60.5072

■ 39.3002, 46.1945,
60.8786

■ 43.6473, 49.4791,
61.2834

■ 48.6458, 53.1226,
61.7233

■ 54.3239, 57.1396,
62.1994

Harmonies

Analogous

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



22.9139, 33.0217, 43.3410



24.9720, 33.0217, 59.0905



28.8654, 33.0217, 69.8357

Triad

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



24.9720, 33.0217, 59.0905



41.6697, 33.0217, 43.8991



29.0277, 33.0217, 15.2349

Complementary

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



24.9720, 33.0217, 59.0905



24.7793, 14.3915, 2.1348

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.



34.0496, 33.0217, 15.3092



24.9720, 33.0217, 59.0905



41.7252, 33.0217, 29.4598

Square

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



24.9720, 33.0217, 59.0905



38.6698, 33.0217, 59.5921



38.8141, 33.0217, 19.8171



25.0798, 33.0217, 19.5766

Rectangle

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



24.9720, 33.0217, 59.0905



32.1477, 33.0217, 71.2890



38.8141, 33.0217, 19.8171



30.6367, 33.0217, 14.7905

Sweetspot

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



24.9731, 33.0229, 59.0913



70.6401, 82.2857, 106.7673



21.2232, 41.2005, 9.5097



14.5899, 17.2051, 22.8019



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.



24.9731, 33.0229, 59.0913



42.0165, 55.1530, 103.0388



13.6657, 10.4082, 55.3222



10.7948, 11.7636, 13.6191



15.5400, 20.4739, 37.8772



0.7760, 1.0498, 1.8069

Inverse Universe

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



31.0600, 15.5458, 39.3950



53.3372, 26.0989, 65.6329



32.5348, 29.9026, 4.7200



11.0064, 10.7860, 13.0172



19.6432, 9.6068, 24.3947



0.9504, 0.4630, 1.2619

Previews

White Background



This preview shows how the XYZ color 24.9720, 33.0217, 59.0905 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 24.9720, 33.0217, 59.0905 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

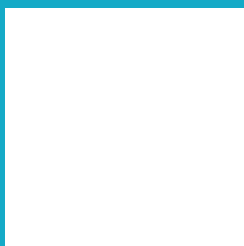
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9720, 33.0217, 59.0905

Background



This preview shows how black text looks on a background with the XYZ color 24.9720, 33.0217, 59.0905.

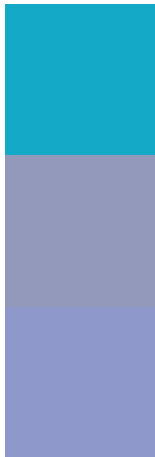


This preview shows how white text looks on a background with the XYZ color 24.9720, 33.0217,

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

24.9720, 33.0217, 59.0905

Protanopia

32.3935, 32.5734, 51.5937

Deuteranopia

33.3354, 32.6079, 61.0369

Trichromacy



Original Color

24.9720, 33.0217, 59.0905

Protanomaly

27.1689, 31.3246, 53.9045

Deuteranomaly

28.0958, 31.6572, 60.5068

Monochromacy



Original Color

24.9720, 33.0217, 59.0905

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.7750, 24.1019, 34.1817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9720, 33.0217, 59.0905 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(20, 170, 199)` looks like.

```
.text, #text, p{  
    color:rgb(20, 170, 199)  
}
```

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(20, 170, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 170, 199) }
```

Border

The CSS property to change the border of an element to XYZ 24.9720, 33.0217, 59.0905 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(20, 170, 199) }
```

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

```
.border{ border-color:rgb(20, 170, 199) }
```

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

Here you see how a box with a 4 pixel rgb(20, 170, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 170, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 170, 199);  
box-shadow:4px 4px 4px 4px rgb(20, 170,  
199) }
```


Background

The CSS property to change the background color of an element to XYZ 24.9720, 33.0217, 59.0905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 170, 199) }
```

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

```
.background{ background-color: rgb(20, 170,  
199) }
```

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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