

Converting Colors

XYZ(19.2590, 24.6413, 45.7519)

Have a look what the booklet for
XYZ(19.2590, 24.6413, 45.7519)
contains.

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Color

**XYZ(19.3189, 24.7515,
45.8788)**

Conversions

Conversions Part 1

Format	Color
Hex	2394B2
RGB	35, 148, 178
RGB Percent	14%, 58%, 70%
CMY	0.8627, 0.4196, 0.3020
CMYK	0.80, 0.17, 0.00, 0.30
HSL	193°, 67%, 42%
HSV	193°, 80%, 70%
XYZ	19.3189, 24.7515, 45.8788
YIQ	117.6330, -76.9780, -14.6260

Conversions

Conversions Part 2

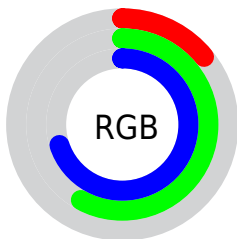
Format	Color
R _Y B	35, 98, 178
Decimal	2331826
CIE Lab	56.83, -19.95, -24.37
CIE LCh	57, 31.493, 230.686
Yxy	24.7515, 0.2148, 0.2752
Android (android.graphics.Color)	4280521906 (0xFF2394B2)
YUV	117.6330, 29.7609, -72.4691
Hunter-Lab	49.7509, -17.7502, -19.8499

Details

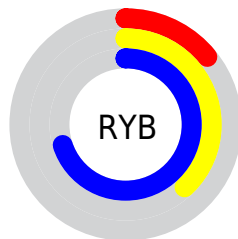
The XYZ color **19.3189, 24.7515, 45.8788** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.5547, 13.3682, 3.0879**, and the grayscale version is **17.0339, 17.9210, 19.5160**.

A 20% lighter version of the original color is **41.7975, 51.1848, 85.5186**, and **7.9764, 10.0301, 20.9176** is the 20% darker color. If you saturate the color by 10%, you get **18.2848, 23.3632, 45.6658**, and if you desaturate by 10%, it is **20.6798, 26.3372, 46.1136**.

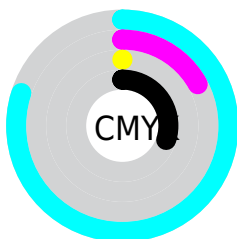
Distribution



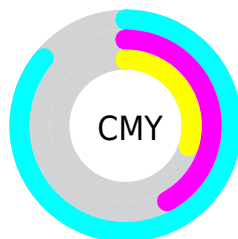
- Red (14%)
- Green (58%)
- Blue (70%)



- Red (14%)
- Yellow (38%)
- Blue (70%)



- Cyan (80%)
- Magenta (17%)
- Yellow (0%)
- Black (30%)



- Cyan (86%)
- Magenta (42%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3189, 24.7515, 45.8788 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 19.3189, 24.7515, 45.8788 by changing the saturation by 10% instead.

■ 19.3189, 24.7515,
45.8788

■ 19.3189, 24.7515,
45.8788

241.1081,
276.5981, 386.5846

■ 12.0063, 15.8920,
31.8022

■ 41.7850, 51.2538,
85.3700

■ 6.8202, 9.4478,
20.9469

■ 57.6692, 69.6654,
111.6216

■ 3.3952, 5.0344,
12.8943

■ 77.1413, 92.0298,
142.7687

■ 1.3661, 2.2674,
7.2260

■ 100.5667,
118.7315, 179.2298

■ 0.2318, 0.7564,
3.5232

■ 128.3107,
150.1547, 221.4233

■ 0.0000, 0.0000,
1.3676

160.7387,

■ 0.0000, 0.0000,

186.6840, 269.7680

0.1163

198.2161,
228.7037, 324.6822

■ 0.0000, 0.0000,
0.0000

■ 19.3189, 24.7515,
45.8788

■ 19.3189, 24.7515,
45.8788

■ 18.2848, 23.3632,
45.6658

■ 20.6798, 26.3372,
46.1136

■ 17.5103, 22.1631,
45.4750

■ 22.4060, 28.1391,
46.3704

■ 24.5330, 30.1762,
46.6515

■ 27.0915, 32.4645,
46.9584

■ 30.1089, 35.0185,
47.2923

■ 33.6105, 37.8514,
47.6546

■ 37.6194, 40.9754,
48.0463

■ 42.1574, 44.4020,
48.4685

■ 47.2450, 48.1418,
48.9222

Harmonies

Analogous

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



17.5041, 24.7515, 34.7661



19.3189, 24.7515, 45.8788



22.3982, 24.7515, 52.3202

Triad

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



19.3189, 24.7515, 45.8788



31.2267, 24.7515, 30.3669



21.1122, 24.7515, 12.0833

Complementary

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



19.3189, 24.7515, 45.8788



20.5547, 13.3682, 3.0879

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.



24.6902, 24.7515, 11.4843



19.3189, 24.7515, 45.8788



30.7902, 24.7515, 20.4034

Square

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



19.3189, 24.7515, 45.8788



29.4394, 24.7515, 41.9464



28.3024, 24.7515, 14.1095



18.4620, 24.7515, 16.0366

Rectangle

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



19.3189, 24.7515, 45.8788



24.8629, 24.7515, 52.1891



28.3024, 24.7515, 14.1095



22.2370, 24.7515, 11.5321

Sweetspot

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



19.3197, 24.7524, 45.8794



58.2475, 66.4797, 86.1431



17.5284, 32.5644, 10.1541



12.4144, 14.3305, 19.0340



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.3197, 24.7524, 45.8794



32.1035, 40.7184, 82.5486



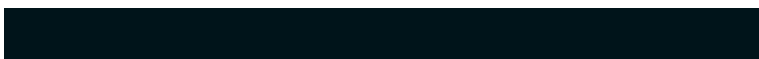
11.4474, 9.0076, 43.2553



8.5883, 9.3228, 10.8532



12.5751, 15.9506, 32.5530



0.4337, 0.5780, 1.0369

Inverse Universe

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



24.3071, 12.8060, 29.2085



42.1858, 20.8817, 47.8800



27.3423, 26.9435, 5.3505



8.7721, 8.6156, 10.2985



16.5820, 8.1504, 18.7566



0.5410, 0.2641, 0.6913

Previews

White Background



This preview shows how the XYZ color 19.3189, 24.7515, 45.8788 looks on a white background.

Color Contrast Check

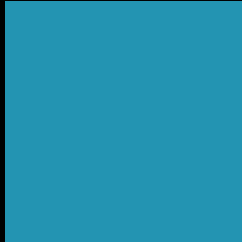
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3189, 24.7515, 45.8788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

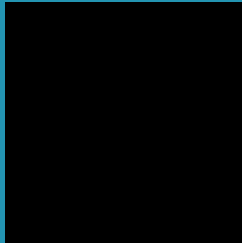
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.3189, 24.7515, 45.8788

Background



This preview shows how black text looks on a background with the XYZ color 19.3189, 24.7515, 45.8788.

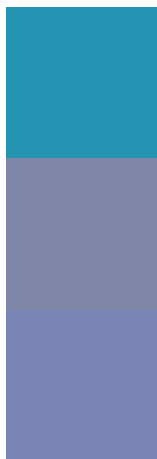


This preview shows how white text looks on a background with the XYZ color 19.3189, 24.7515,

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

19.3189, 24.7515, 45.8788

Protanopia

24.3454, 24.3894, 40.4703

Deuteranopia

24.8964, 24.3222, 47.0985



Tritanopia

17.8155, 24.8487, 38.5076

Trichromacy



Original Color

19.3189, 24.7515, 45.8788

Protanomaly

21.2951, 23.8235, 42.5057

Deuteranomaly

21.6411, 23.6964, 46.6133

Tritanomaly

18.2627, 24.7886, 40.8679

Monochromacy



Original Color

19.3189, 24.7515, 45.8788

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.6084, 19.6687, 27.7320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3189, 24.7515, 45.8788 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(35, 148, 178)` looks like.

```
.text, #text, p{  
    color:rgb(35, 148, 178)  
}
```

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(35, 148, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 148, 178) }
```

Border

The CSS property to change the border of an element to XYZ 19.3189, 24.7515, 45.8788 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(35, 148, 178) }
```


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

```
.border{ border-color:rgb(35, 148, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 148, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 148, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 148, 178);  
box-shadow:4px 4px 4px 4px rgb(35, 148,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3189, 24.7515, 45.8788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 148, 178) }
```

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

```
.background{ background-color: rgb(35, 148,  
178) }
```

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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