

Converting Colors

XYZ(19.8743, 26.2311, 44.9056)

Have a look what the booklet for
XYZ(19.8743, 26.2311, 44.9056)
contains.

XYZ(19.9208, 26.2744, 45.0958)	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(19.9208, 26.2744,
45.0958)**

Conversions

Conversions Part 1

Format	Color
Hex	2399B0
RGB	35, 153, 176
RGB Percent	14%, 60%, 69%
CMY	0.8627, 0.4000, 0.3098
CMYK	0.80, 0.13, 0.00, 0.31
HSL	190°, 67%, 41%
HSV	190°, 80%, 69%
XYZ	19.9208, 26.2744, 45.0958
YIQ	120.3400, -77.7110, -17.8630

Conversions

Conversions Part 2

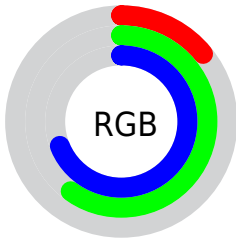
Format	Color
R_{YB}	35, 99, 176
Decimal	2333104
CIE _{Lab}	58.30, -23.24, -20.98
CIE _{LCh}	58, 31.313, 222.076
Yxy	26.2744, 0.2182, 0.2878
Android (android.graphics.Color)	4280523184 (0xFF2399B0)
YUV	120.3400, 27.4404, -74.8432
Hunter-Lab	51.2586, -20.3314, -16.2806

Details

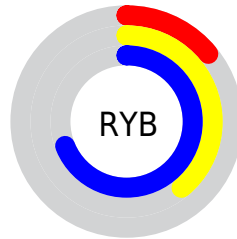
The XYZ color **19.9208, 26.2744, 45.0958** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.7217, 12.3786, 2.9408**, and the grayscale version is **17.8954, 18.8273, 20.5030**.

A 20% lighter version of the original color is **42.9471, 53.9412, 84.4921**, and **8.3265, 10.9328, 20.4103** is the 20% darker color. If you saturate the color by 10%, you get **19.0025, 25.1122, 44.9204**, and if you desaturate by 10%, it is **21.1516, 27.6154, 45.2903**.

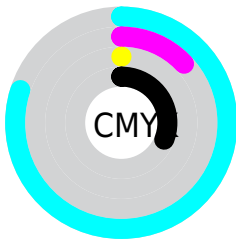
Distribution



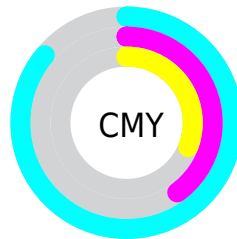
- Red (14%)
- Green (60%)
- Blue (69%)



- Red (14%)
- Yellow (39%)
- Blue (69%)



- Cyan (80%)
- Magenta (13%)
- Yellow (0%)
- Black (31%)



- Cyan (86%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9208, 26.2744, 45.0958 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 19.9208, 26.2744, 45.0958 by changing the saturation by 10% instead.

■ 19.9208, 26.2744,
45.0958

■ 19.9208, 26.2744,
45.0958

244.3278,
284.1265, 383.3328

■ 12.4454, 17.0290,
31.1894

■ 42.7893, 53.7173,
84.1841

■ 7.1221, 10.2552,
20.4834

■ 58.9132, 72.6836,
110.2031

■ 3.5856, 5.5685,
12.5594

■ 78.6505, 95.6590,
141.0967

■ 1.4705, 2.5845,
6.9987

■ 102.3668,
123.0279, 177.2835

■ 0.3056, 0.9189,
3.3829

■ 130.4273,
155.1748, 219.1819

■ 0.0000, 0.0000,
1.2933

163.1974,

■ 0.0000, 0.0000,

192.4839, 267.2106

0.0563

201.0424,
235.3396, 321.7881

■ 0.0000, 0.0000,
0.0000

■ 19.9208, 26.2744,
45.0958

■ 19.9208, 26.2744,
45.0958

■ 19.0025, 25.1122,
44.9204

■ 21.1516, 27.6154,
45.2903

■ 18.3157, 24.0928,
44.7598

■ 22.7317, 29.1529,
45.5038

■ 24.6958, 30.9054,
45.7385

■ 27.0732, 32.8881,
45.9959

■ 29.8907, 35.1148,
46.2772

■ 33.1725, 37.5983,
46.5836

■ 36.9412, 40.3502,
46.9161

■ 41.2178, 43.3816,
47.2758

■ 46.0220, 46.7026,
47.6637

Harmonies

Analogous

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



18.4728, 26.2744, 33.2259



19.9208, 26.2744, 45.0958



22.7858, 26.2744, 53.5721

Triad

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



19.9208, 26.2744, 45.0958



32.6115, 26.2744, 35.5626



23.4716, 26.2744, 12.6063

Complementary

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



19.9208, 26.2744, 45.0958



19.7217, 12.3786, 2.9408

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.



27.2959, 26.2744, 12.9298



19.9208, 26.2744, 45.0958



32.8431, 26.2744, 24.4398

Square

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



19.9208, 26.2744, 45.0958



30.2106, 26.2744, 47.1766



30.8145, 26.2744, 16.7268



20.3787, 26.2744, 15.6908

Rectangle

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



19.9208, 26.2744, 45.0958



25.2394, 26.2744, 55.1126



30.8145, 26.2744, 16.7268



24.7085, 26.2744, 12.3472

Sweetspot

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



19.9217, 26.2753, 45.0964



57.4907, 66.1894, 84.2410



16.9367, 31.6956, 8.9870



12.0171, 14.0084, 18.2149



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.9217, 26.2753, 45.0964



33.5219, 44.1328, 81.2470



11.7281, 9.8883, 42.3653



8.6223, 9.3908, 10.8645



13.4745, 17.7493, 32.8528



0.4554, 0.6213, 1.0442

Inverse Universe

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



24.2560, 12.7329, 31.3172



42.2609, 20.8150, 52.5712



25.7530, 24.4412, 4.9512



8.7893, 8.6224, 10.3889



17.0359, 8.3319, 21.1470



0.5519, 0.2685, 0.7489

Previews

White Background



This preview shows how the XYZ color 19.9208, 26.2744, 45.0958 looks on a white background.

Color Contrast Check

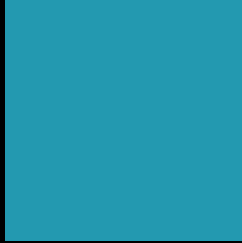
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9208, 26.2744, 45.0958 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

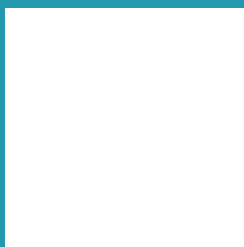
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9208, 26.2744, 45.0958

Background



This preview shows how black text looks on a background with the XYZ color 19.9208, 26.2744, 45.0958.

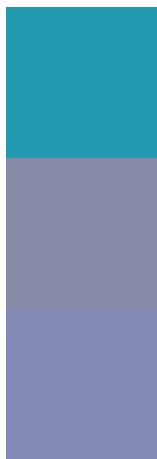


This preview shows how white text looks on a background with the XYZ color 19.9208, 26.2744,

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

19.9208, 26.2744, 45.0958

Protanopia

25.8029, 25.9985, 39.7346

Deuteranopia

26.5440, 26.0119, 46.8018



Tritanopia

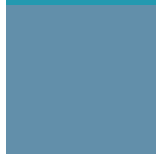
18.9073, 26.0954, 40.5996

Trichromacy



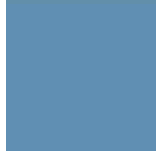
Original Color

19.9208, 26.2744, 45.0958



Protanomaly

22.1152, 25.1439, 41.7179



Deuteranomaly

22.7830, 25.3864, 46.3471



Tritanomaly

19.2902, 26.2604, 42.0823

Monochromacy



Original Color

19.9208, 26.2744, 45.0958



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

17.1047, 20.5198, 27.8702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9208, 26.2744, 45.0958 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, 153, 176)` looks like.

```
.text, #text, p{  
    color:rgb(35, 153, 176)  
}
```

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, 153, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 153, 176) }
```

Border

The CSS property to change the border of an element to XYZ 19.9208, 26.2744, 45.0958 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, 153, 176) }
```


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

```
.border{ border-color:rgb(35, 153, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 153, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 153, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 153, 176);  
box-shadow:4px 4px 4px 4px rgb(35, 153,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9208, 26.2744, 45.0958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 153, 176) }
```

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

```
.background{ background-color: rgb(35, 153,  
176) }
```

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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