

Converting Colors

XYZ(20.5295, 26.9319, 40.2330)

Have a look what the booklet for
XYZ(20.5295, 26.9319, 40.2330)
contains.

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Color

**XYZ(20.5529, 26.9544,
40.1959)**

Conversions

Conversions Part 1

Format	Color
Hex	409AA6
RGB	64, 154, 166
RGB Percent	25%, 60%, 65%
CMY	0.7490, 0.3961, 0.3490
CMYK	0.61, 0.07, 0.00, 0.35
HSL	187°, 44%, 45%
HSV	187°, 61%, 65%
XYZ	20.5529, 26.9544, 40.1959
YIQ	128.4580, -57.4920, -15.3480

Conversions

Conversions Part 2

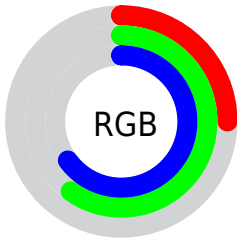
Format	Color
R _Y B	64, 112, 166
Decimal	4233894
CIE Lab	58.93, -22.87, -14.28
CIE LCh	59, 26.964, 211.978
Yxy	26.9544, 0.2343, 0.3073
Android (android.graphics.Color)	4282423974 (0xFF409AA6)
YUV	128.4580, 18.5082, -56.5297
Hunter-Lab	51.9176, -20.1921, -9.5614

Details

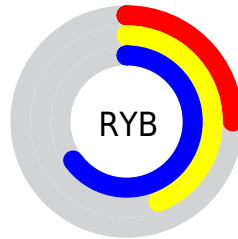
The XYZ color **20.5529, 26.9544, 40.1959** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.2364, 13.6467, 6.4715**, and the grayscale version is **20.6298, 21.7041, 23.6358**.

A 20% lighter version of the original color is **43.8776, 54.9590, 76.7022**, and **7.8875, 10.9154, 17.6108** is the 20% darker color. If you saturate the color by 10%, you get **19.3104, 25.8398, 40.0468**, and if you desaturate by 10%, it is **22.1236, 28.2471, 40.3631**.

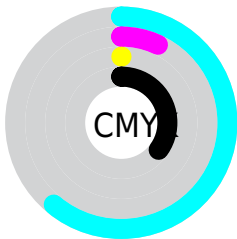
Distribution



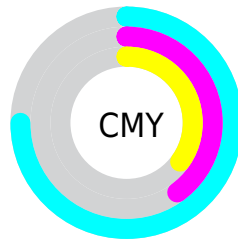
- Red (25%)
- Green (60%)
- Blue (65%)



- Red (25%)
- Yellow (44%)
- Blue (65%)



- Cyan (61%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)



- Cyan (75%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5529, 26.9544, 40.1959 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 20.5529, 26.9544, 40.1959 by changing the saturation by 10% instead.

■ 20.5529, 26.9544,
40.1959

■ 20.5529, 26.9544,
40.1959

■ 247.6697,
287.4363, 362.5252

■ 12.9082, 17.5390,
27.3764

■ 43.8391, 54.8107,
76.7021

■ 7.4419, 10.6195,
17.6212

■ 60.2114, 74.0203,
101.2258

■ 3.7887, 5.8116,
10.5117

■ 80.2235, 97.2635,
130.4880

■ 1.5833, 2.7309,
5.6295

■ 104.2408,
124.9246, 164.9072

■ 0.3815, 0.9929,
2.5560

■ 132.6288,
157.3881, 204.9020

■ 0.0000, 0.0000,
0.8696

165.7527,

■ 0.0000, 0.0000,

195.0382, 250.8909

0.0000

203.9778,
238.2595, 303.2925

■ 20.5529, 26.9544,
40.1959

■ 20.5529, 26.9544,
40.1959

■ 19.3104, 25.8398,
40.0468

■ 22.1236, 28.2471,
40.3631

■ 18.3641, 24.8851,
39.9124

■ 24.0459, 29.7283,
40.5477

■ 17.6799, 24.0733,
39.7917

■ 26.3439, 31.4110,
40.7514

■ 17.2350, 23.4572,
39.6962

■ 29.0388, 33.3063,
40.9752

■ 32.1504, 35.4242,
41.2200

■ 35.6969, 37.7743,
41.4867

■ 39.6956, 40.3656,
41.7761

■ 44.1627, 43.2064,
42.0890

■ 49.1138, 46.3047,
42.4261

Harmonies

Analogous

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



19.7269, 26.9544, 29.9875



20.5529, 26.9544, 40.1959



22.7215, 26.9544, 48.7430

Triad

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



20.5529, 26.9544, 40.1959



31.7113, 26.9544, 38.8564



25.3986, 26.9544, 14.5479

Complementary

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



20.5529, 26.9544, 40.1959



19.2364, 13.6467, 6.4715

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.



28.7537, 26.9544, 15.9321



20.5529, 26.9544, 40.1959



32.5819, 26.9544, 28.7192

Square

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



20.5529, 26.9544, 40.1959



29.1699, 26.9544, 47.8590



31.4567, 26.9544, 20.6530



22.3693, 26.9544, 16.3578

Rectangle

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



20.5529, 26.9544, 40.1959



24.7343, 26.9544, 51.5649



31.4567, 26.9544, 20.6530



26.5253, 26.9544, 14.6539

Sweetspot

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



20.5537, 26.9554, 40.1965



54.3748, 61.5976, 74.4989



17.0523, 28.8835, 11.4964



11.8279, 13.5505, 16.6442



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.5537, 26.9554, 40.1965



34.3097, 46.1818, 72.5809



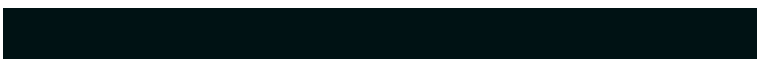
13.8583, 13.5645, 37.9647



7.6711, 8.3792, 9.6314



13.3869, 18.2339, 30.7894



0.3462, 0.4846, 0.7559

Inverse Universe

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



23.3927, 14.1077, 32.0631



40.1518, 21.6481, 55.4167



24.2285, 23.6309, 8.1355



7.8033, 7.6512, 9.2816



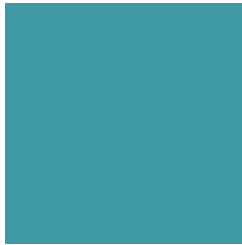
16.2577, 7.9118, 21.9662



0.4059, 0.1966, 0.5888

Previews

White Background



This preview shows how the XYZ color 20.5529, 26.9544, 40.1959 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 20.5529, 26.9544, 40.1959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

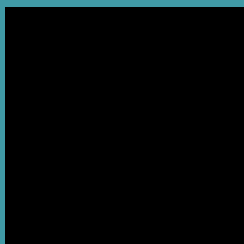
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

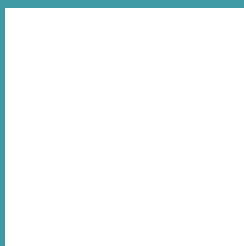
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5529, 26.9544, 40.1959

Background



This preview shows how black text looks on a background with the XYZ color 20.5529, 26.9544, 40.1959.



This preview shows how white text looks on a background with the XYZ color 20.5529, 26.9544,

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

20.5529, 26.9544, 40.1959

Protanopia

26.1113, 26.6795, 35.6717

Deuteranopia

27.1594, 26.6547, 41.7436



Tritanopia

20.5529, 26.9544, 40.1959

Trichromacy



Original Color

20.5529, 26.9544, 40.1959

Protanomaly

23.1527, 26.2336, 37.1010

Deuteranomaly

23.8168, 26.2558, 41.3487

Tritanomaly

20.5529, 26.9544, 40.1959

Monochromacy



Original Color

20.5529, 26.9544, 40.1959

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.6538, 22.8476, 28.9653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5529, 26.9544, 40.1959 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(64, 154, 166)` looks like.

```
.text, #text, p{  
    color:rgb(64, 154, 166)  
}
```

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(64, 154, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 154, 166) }
```

Border

The CSS property to change the border of an element to XYZ 20.5529, 26.9544, 40.1959 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(64, 154, 166) }
```


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

```
.border{ border-color:rgb(64, 154, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 154, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 154, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 154, 166);  
box-shadow:4px 4px 4px 4px rgb(64, 154,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5529, 26.9544, 40.1959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 154, 166) }
```

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

```
.background{ background-color: rgb(64, 154,  
166) }
```

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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