

Converting Colors

XYZ(20.7408, 28.9750, 31.7933)

Have a look what the booklet for
XYZ(20.7408, 28.9750, 31.7933)
contains.

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Color

**XYZ(20.7572, 29.0209,
31.7017)**

Conversions

Conversions Part 1

Format	Color
Hex	4AA192
RGB	74, 161, 146
RGB Percent	29%, 63%, 57%
CMY	0.7098, 0.3686, 0.4274
CMYK	0.54, 0.00, 0.09, 0.37
HSL	170°, 37%, 46%
HSV	170°, 54%, 63%
XYZ	20.7572, 29.0209, 31.7017
YIQ	133.2770, -47.0370, -23.1090

Conversions

Conversions Part 2

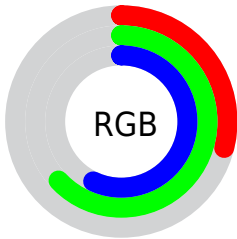
Format	Color
RYB	74, 122, 161
Decimal	4891026
CIELab	60.80, -29.93, -0.14
CIELCh	61, 29.933, 180.275
Yxy	29.0209, 0.2548, 0.3562
Android (android.graphics.Color)	4283081106 (0xFF4AA192)
YUV	133.2770, 6.2724, -51.9859
Hunter-Lab	53.8710, -25.4960, 2.8191

Details

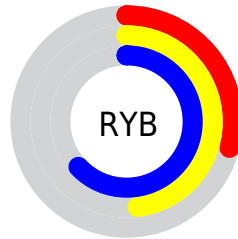
The XYZ color **20.7572, 29.0209, 31.7017** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.9509, 13.1967, 11.0006**, and the grayscale version is **22.3861, 23.5519, 25.6480**.

A 20% lighter version of the original color is **44.1871, 58.0277, 63.5151**, and **7.5800, 11.7818, 12.9409** is the 20% darker color. If you saturate the color by 10%, you get **19.4596, 28.3773, 30.5278**, and if you desaturate by 10%, it is **22.3789, 29.8324, 32.9194**.

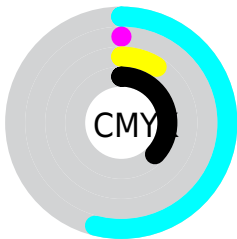
Distribution



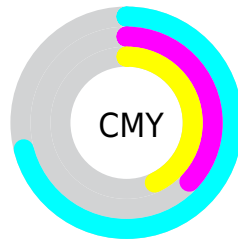
- Red (29%)
- Green (63%)
- Blue (57%)



- Red (29%)
- Yellow (48%)
- Blue (63%)



- Cyan (54%)
- Magenta (0%)
- Yellow (9%)
- Black (37%)



- Cyan (71%)
- Magenta (37%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7572, 29.0209, 31.7017 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 20.7572, 29.0209, 31.7017 by changing the saturation by 10% instead.

■ 20.7572, 29.0209,
31.7017

■ 20.7572, 29.0209,
31.7017

248.7415,
297.3136, 324.2089

■ 13.0581, 19.0966,
20.8708

■ 44.1774, 58.1103,
63.4356

■ 7.5458, 11.7401,
12.8393

■ 60.6292, 78.0442,
85.1757

■ 3.8551, 6.5670,
7.1885

■ 80.7293, 102.0835,
111.3894

■ 1.6205, 3.1928,
3.5001

■ 104.8431,
130.6124, 142.4950

■ 0.4057, 1.2332,
1.3553

■ 133.3358,
164.0155, 178.9113

■ 0.0000, 0.0886,
0.1065

166.5729,

■ 0.0000, 0.0000,

202.6772, 221.0566

0.0000

204.9197,
246.9817, 269.3497

■ 20.7572, 29.0209,
31.7017

■ 20.7572, 29.0209,
31.7017

■ 19.4596, 28.3773,
30.5278

■ 22.3789, 29.8324,
32.9194

■ 18.4589, 27.8855,
29.3944

■ 24.3444, 30.8198,
34.1802

■ 17.7276, 27.5319,
28.3005

■ 26.6747, 31.9946,
35.4857

■ 17.2314, 27.2990,
27.2445

■ 29.3885, 33.3665,
36.8372

■ 16.9956, 27.1908,
26.6302

■ 32.5029, 34.9443,
38.2356

■ 36.0343, 36.7364,
39.6817

■ 39.9979, 38.7508,
41.1766

■ 44.4085, 40.9949,
42.7211

■ 49.2798, 43.4759,
44.3160

Harmonies

Analogous

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



21.5824, 29.0209, 22.1197



20.7572, 29.0209, 31.7017



21.6129, 29.0209, 43.6805

Triad

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



20.7572, 29.0209, 31.7017



31.5304, 29.0209, 53.9539



31.4625, 29.0209, 16.4034

Complementary

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



20.7572, 29.0209, 31.7017



18.9509, 13.1967, 11.0006

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.



34.5633, 29.0209, 21.9797



20.7572, 29.0209, 31.7017



34.6051, 29.0209, 43.4600

Square

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



20.7572, 29.0209, 31.7017



27.6194, 29.0209, 58.2373



35.7630, 29.0209, 31.4962



27.5476, 29.0209, 14.6487

Rectangle

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



20.7572, 29.0209, 31.7017



23.0724, 29.0209, 51.1124



35.7630, 29.0209, 31.4962



32.6473, 29.0209, 17.8165

Sweetspot

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



20.7580, 29.0220, 31.7024



51.4681, 59.1663, 65.4146



18.1934, 28.1565, 10.9550



11.0788, 12.8704, 14.2443



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.7580, 29.0220, 31.7024



34.4139, 50.6046, 54.2211



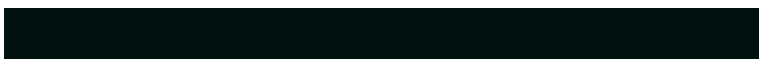
17.7072, 20.9286, 36.8259



7.2234, 7.9902, 8.7884



13.5866, 21.7210, 21.3372



0.2985, 0.4616, 0.5168

Inverse Universe

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



18.9509, 13.1967, 11.0006



30.8576, 19.2154, 13.2994



20.6422, 17.4869, 8.7665



7.1213, 7.1050, 7.6253



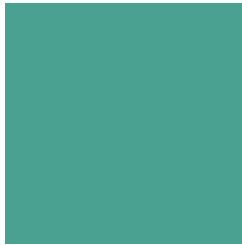
11.9150, 6.1220, 1.4770



0.2635, 0.1339, 0.1003

Previews

White Background



This preview shows how the XYZ color 20.7572, 29.0209, 31.7017 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 20.7572, 29.0209, 31.7017 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

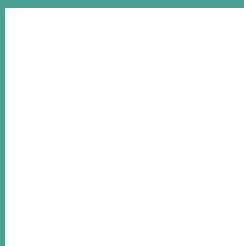
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7572, 29.0209, 31.7017

Background



This preview shows how black text looks on a background with the XYZ color 20.7572, 29.0209, 31.7017.

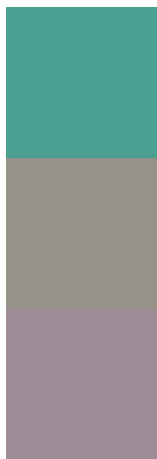


This preview shows how white text looks on a background with the XYZ color 20.7572, 29.0209,

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

20.7572, 29.0209, 31.7017

Protanopia

27.2184, 28.5410, 27.7413

Deuteranopia

29.1304, 28.5209, 32.8239



Tritanopia

22.7923, 28.8101, 42.3898

Trichromacy



Original Color

20.7572, 29.0209, 31.7017

Protanomaly

23.8263, 28.1642, 28.9914

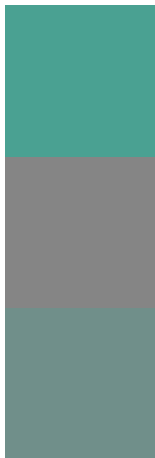
Deuteranomaly

24.7671, 27.8618, 32.5063

Tritanomaly

21.8843, 28.6892, 38.1024

Monochromacy



Original Color

20.7572, 29.0209, 31.7017

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.0920, 24.9246, 27.7440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7572, 29.0209, 31.7017 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(74, 161, 146)` looks like.

```
.text, #text, p{  
    color:rgb(74, 161, 146)  
}
```

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(74, 161, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 161, 146) }
```

Border

The CSS property to change the border of an element to XYZ 20.7572, 29.0209, 31.7017 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(74, 161, 146) }
```


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

```
.border{ border-color:rgb(74, 161, 146) }
```

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

Here you see how a box with a 4 pixel rgb(74, 161, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 161, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 161, 146);  
box-shadow:4px 4px 4px 4px rgb(74, 161,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7572, 29.0209, 31.7017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 161, 146) }
```

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

```
.background{ background-color: rgb(74, 161,  
146) }
```

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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