

Converting Colors

XYZ(20.2746, 29.9453, 28.5012)

Have a look what the booklet for
XYZ(20.2746, 29.9453, 28.5012)
contains.

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Color

**XYZ(20.2173, 29.8747,
28.3677)**

Conversions

Conversions Part 1

Format	Color
Hex	42A589
RGB	66, 165, 137
RGB Percent	26%, 65%, 54%
CMY	0.7412, 0.3529, 0.4627
CMYK	0.60, 0.00, 0.17, 0.35
HSL	163°, 43%, 45%
HSV	163°, 60%, 65%
XYZ	20.2173, 29.8747, 28.3677
YIQ	132.2070, -50.0160, -29.6960

Conversions

Conversions Part 2

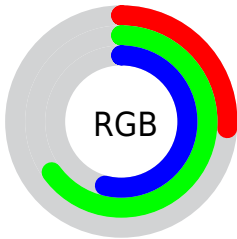
Format	Color
RYB	66, 124, 165
Decimal	4367753
CIELab	61.55, -35.78, 5.96
CIElCh	62, 36.275, 170.539
Yxy	29.8747, 0.2577, 0.3808
Android (android.graphics.Color)	4282557833 (0xFF42A589)
YUV	132.2070, 2.3629, -58.0635
Hunter-Lab	54.6578, -29.6259, 7.4886

Details

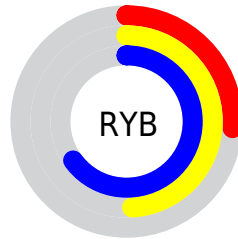
The XYZ color **20.2173, 29.8747, 28.3677** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **19.4867, 12.7048, 12.0162**, and the grayscale version is **22.0123, 23.1587, 25.2198**.

A 20% lighter version of the original color is **43.3191, 59.6416, 57.9440**, and **7.5145, 12.2765, 10.9904** is the 20% darker color. If you saturate the color by 10%, you get **18.9345, 29.2520, 26.5981**, and if you desaturate by 10%, it is **21.8370, 30.6709, 30.2300**.

Distribution



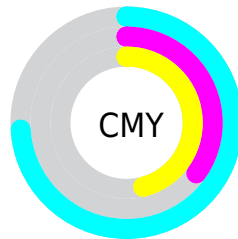
- Red (26%)
- Green (65%)
- Blue (54%)



- Red (26%)
- Yellow (49%)
- Blue (65%)



- Cyan (60%)
- Magenta (0%)
- Yellow (17%)
- Black (35%)



- Cyan (74%)
- Magenta (35%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2173, 29.8747, 28.3677 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 20.2173, 29.8747, 28.3677 by changing the saturation by 10% instead.

■ 20.2173, 29.8747,
28.3677

■ 20.2173, 29.8747,
28.3677

245.9003,
301.3200, 308.1868

■ 12.6623, 19.7435,
18.3616

■ 43.2824, 59.4640,
58.1011

■ 7.2718, 12.2087,
11.0378

■ 59.5231, 79.6908,
78.6655

■ 3.6805, 6.8860,
5.9778

■ 79.3899, 104.0517,
103.5863

■ 1.5230, 3.3909,
2.7630

■ 103.2479,
132.9310, 133.2822

■ 0.3414, 1.3391,
0.9749

■ 131.4626,
166.7130, 168.1716

■ 0.0000, 0.1711,
0.0000

164.3993,

■ 0.0000, 0.0000,

205.7823, 208.6732

0.0000

202.4234,
250.5231, 255.2054

■ 20.2173, 29.8747,
28.3677

■ 20.2173, 29.8747,
28.3677

■ 18.9345, 29.2520,
26.5981

■ 21.8370, 30.6709,
30.2300

■ 17.9574, 28.7845,
24.9169

■ 23.8162, 31.6500,
32.1849

■ 17.2532, 28.4560,
23.3221

■ 26.1786, 32.8249,
34.2353

■ 16.7455, 28.2273,
21.8093

■ 28.9450, 34.2064,
36.3829

■ 16.7455, 28.2272,
21.8091

■ 32.1347, 35.8043,
38.6295

■ 35.7657, 37.6280,
40.9769

■ 39.8551, 39.6862,
43.4267

■ 44.4190, 41.9871,
45.9805

■ 49.4725, 44.5387,
48.6398

Harmonies

Analogous

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



21.8388, 29.8747, 18.4362



20.2173, 29.8747, 28.3677



20.5879, 29.8747, 42.7300

Triad

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



20.2173, 29.8747, 28.3677



31.7636, 29.8747, 64.1546



34.6851, 29.8747, 16.0700

Complementary

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



20.2173, 29.8747, 28.3677



19.4867, 12.7048, 12.0162

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.



37.9617, 29.8747, 24.0954



20.2173, 29.8747, 28.3677



36.1473, 29.8747, 52.4239

Square

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



20.2173, 29.8747, 28.3677



26.9024, 29.8747, 66.2577



38.5251, 29.8747, 37.0774



29.9419, 29.8747, 12.7780

Rectangle

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



20.2173, 29.8747, 28.3677



21.9328, 29.8747, 52.9505



38.5251, 29.8747, 37.0774



36.0161, 29.8747, 18.1759

Sweetspot

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



20.2181, 29.8759, 28.3684



52.7359, 61.7089, 65.8156



19.0607, 29.6872, 9.8805



11.2045, 13.3284, 14.1495



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.2181, 29.8759, 28.3684



33.2698, 52.0786, 46.6162



18.9445, 23.6865, 39.1722



7.1903, 7.9769, 8.6137



12.6898, 21.3623, 16.6147



0.2853, 0.4563, 0.4471

Inverse Universe

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



19.4867, 12.7048, 12.0162



31.8829, 18.5468, 14.8893



19.9462, 15.2831, 7.0535



7.1523, 7.1174, 7.7885



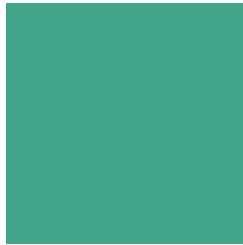
12.1410, 6.2125, 2.6673



0.2743, 0.1382, 0.1572

Previews

White Background



This preview shows how the XYZ color 20.2173, 29.8747, 28.3677 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 20.2173, 29.8747, 28.3677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

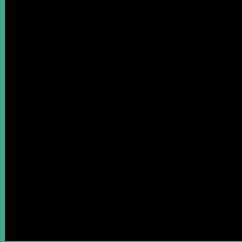
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.2173, 29.8747, 28.3677

Background



This preview shows how black text looks on a background with the XYZ color 20.2173, 29.8747, 28.3677.

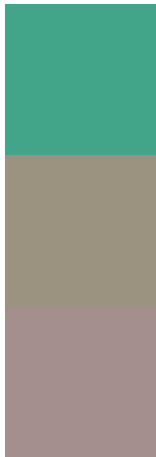


This preview shows how white text looks on a background with the XYZ color 20.2173, 29.8747,

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

20.2173, 29.8747, 28.3677

Protanopia

27.8476, 29.3945, 24.6281

Deuteranopia

30.0148, 29.4904, 29.7015



Tritanopia

23.3381, 29.8210, 44.0611

Trichromacy



Original Color

20.2173, 29.8747, 28.3677

Protanomaly

23.8207, 28.9608, 25.8072

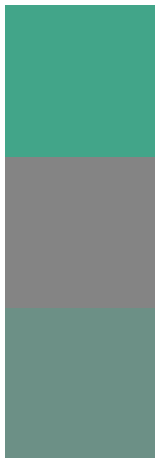
Deuteranomaly

24.7023, 28.6159, 29.0324

Tritanomaly

22.0895, 29.8346, 37.8521

Monochromacy



Original Color

20.2173, 29.8747, 28.3677

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.4607, 24.8559, 26.2735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2173, 29.8747, 28.3677 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(66, 165, 137)` looks like.

```
.text, #text, p{  
    color:rgb(66, 165, 137)  
}
```

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(66, 165, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 165, 137) }
```

Border

The CSS property to change the border of an element to XYZ 20.2173, 29.8747, 28.3677 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(66, 165, 137) }
```


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

```
.border{ border-color:rgb(66, 165, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 165, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 165, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 165, 137);  
box-shadow:4px 4px 4px 4px rgb(66, 165,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2173, 29.8747, 28.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 165, 137) }
```

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

```
.background{ background-color: rgb(66, 165,  
137) }
```

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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