

Converting Colors

XYZ(20.6094, 29.5359, 31.1082)

Have a look what the booklet for
XYZ(20.6094, 29.5359, 31.1082)
contains.

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Color

**XYZ(20.5855, 29.4732,
30.9895)**

Conversions

Conversions Part 1

Format	Color
Hex	45A390
RGB	69, 163, 144
RGB Percent	27%, 64%, 56%
CMY	0.7294, 0.3608, 0.4353
CMYK	0.58, 0.00, 0.12, 0.36
HSL	168°, 41%, 45%
HSV	168°, 58%, 64%
XYZ	20.5855, 29.4732, 30.9895
YIQ	132.7280, -49.9250, -25.8370

Conversions

Conversions Part 2

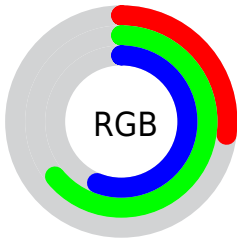
Format	Color
RYB	69, 121, 163
Decimal	4563856
CIELab	61.20, -32.48, 1.54
CIELCh	61, 32.513, 177.283
Yxy	29.4732, 0.2540, 0.3637
Android (android.graphics.Color)	4282753936 (0xFF45A390)
YUV	132.7280, 5.5571, -55.8895
Hunter-Lab	54.2892, -27.3221, 4.1584

Details

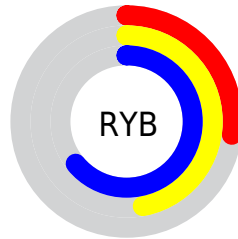
The XYZ color **20.5855, 29.4732, 30.9895** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.9948, 12.7482, 10.6932**, and the grayscale version is **22.1897, 23.3453, 25.4230**.

A 20% lighter version of the original color is **43.8686, 58.6556, 62.4356**, and **7.7048, 12.1770, 12.5340** is the 20% darker color. If you saturate the color by 10%, you get **19.3362, 28.8586, 29.6360**, and if you desaturate by 10%, it is **22.1614, 30.2568, 32.3980**.

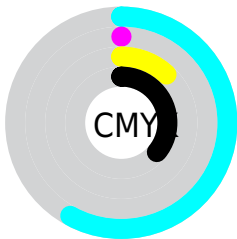
Distribution



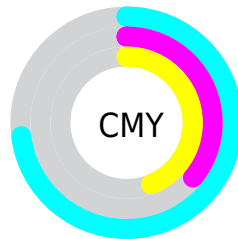
- Red (27%)
- Green (64%)
- Blue (56%)



- Red (27%)
- Yellow (47%)
- Blue (64%)



- Cyan (58%)
- Magenta (0%)
- Yellow (12%)
- Black (36%)



- Cyan (73%)
- Magenta (36%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5855, 29.4732, 30.9895 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 20.5855, 29.4732, 30.9895 by changing the saturation by 10% instead.

■ 20.5855, 29.4732,
30.9895

■ 20.5855, 29.4732,
30.9895

247.8410,
299.4411, 320.8396

■ 12.9321, 19.4391,
20.3325

■ 43.8932, 58.8281,
62.3029

■ 7.4585, 11.9880,
12.4505

■ 60.2781, 78.9176,
83.7964

■ 3.7993, 6.7355,
6.9250

■ 80.3043, 103.1277,
109.7391

■ 1.5892, 3.2972,
3.3375

■ 104.3370,
131.8429, 140.5495

■ 0.3854, 1.2888,
1.2694

■ 132.7417,
165.4474, 176.6462

■ 0.0000, 0.1325,
0.0365

165.8837,

■ 0.0000, 0.0000,

204.3257, 218.4478

0.0000

204.1284,
248.8621, 266.3728

■ 20.5855, 29.4732,
30.9895

■ 20.5855, 29.4732,
30.9895

■ 19.3362, 28.8586,
29.6360

■ 22.1614, 30.2568,
32.3980

■ 18.3843, 28.3957,
28.3338

■ 24.0852, 31.2182,
33.8607

■ 17.6995, 28.0696,
27.0819

■ 26.3792, 32.3695,
35.3799

■ 17.2299, 27.8537,
25.8775

■ 29.0632, 33.7211,
36.9566

■ 17.1305, 27.8085,
25.6023

■ 32.1555, 35.2822,
38.5920

■ 35.6732, 37.0618,
40.2873

■ 39.6325, 39.0681,
42.0435

■ 44.0487, 41.3091,
43.8616

■ 48.9364, 43.7922,
45.7426

Harmonies

Analogous

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



21.6569, 29.4732, 20.9848



20.5855, 29.4732, 30.9895



21.3307, 29.4732, 44.1237

Triad

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



20.5855, 29.4732, 30.9895



31.9486, 29.4732, 57.8586



32.6902, 29.4732, 16.0928

Complementary

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



20.5855, 29.4732, 30.9895



18.9948, 12.7482, 10.6932

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.



35.9636, 29.4732, 22.4731



20.5855, 29.4732, 30.9895



35.5058, 29.4732, 46.5542

Square

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



20.5855, 29.4732, 30.9895



27.6260, 29.4732, 61.7805



37.0424, 29.4732, 33.2189



28.4044, 29.4732, 13.8659

Rectangle

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



20.5855, 29.4732, 30.9895



22.8039, 29.4732, 52.6567



37.0424, 29.4732, 33.2189



33.9614, 29.4732, 17.7281

Sweetspot

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



20.5863, 29.4744, 30.9902



52.2303, 60.4815, 66.2852



18.3274, 28.7673, 10.2176



11.5131, 13.4742, 14.7655



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.



20.5863, 29.4744, 30.9902



34.1336, 51.4397, 52.4557



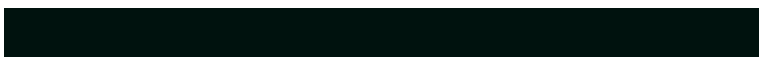
17.9219, 21.6224, 37.8806



7.2145, 7.9866, 8.7412



13.3295, 21.6181, 19.9835



0.2948, 0.4601, 0.4974

Inverse Universe

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



18.9948, 12.7482, 10.6932



31.0478, 18.6249, 12.8166



20.3289, 16.5162, 7.7474



7.1296, 7.1083, 7.6690



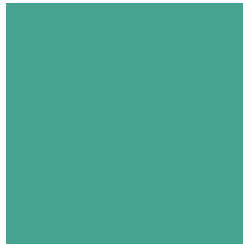
11.9654, 6.1422, 1.7422



0.2664, 0.1351, 0.1156

Previews

White Background



This preview shows how the XYZ color 20.5855, 29.4732, 30.9895 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 20.5855, 29.4732, 30.9895 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 20.5855, 29.4732, 30.9895

Background



This preview shows how black text looks on a background with the XYZ color 20.5855, 29.4732, 30.9895.

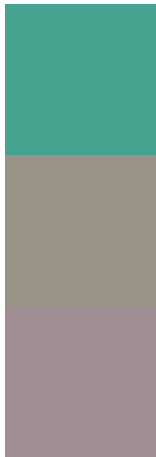


This preview shows how white text looks on a background with the XYZ color 20.5855, 29.4732,

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

20.5855, 29.4732, 30.9895

Protanopia

27.6010, 28.9824, 27.0611

Deuteranopia

29.5155, 28.9577, 32.0507



Tritanopia

23.0690, 29.4371, 43.4958

Trichromacy



Original Color

20.5855, 29.4732, 30.9895



Protanomaly

23.8417, 28.4290, 28.2755



Deuteranomaly

24.9252, 28.4313, 31.7779



Tritanomaly

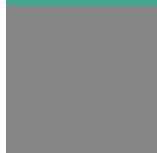
21.9940, 29.2461, 38.6683

Monochromacy



Original Color

20.5855, 29.4732, 30.9895



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.9190, 25.0677, 27.4029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5855, 29.4732, 30.9895 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(69, 163, 144)` looks like.

```
.text, #text, p{  
  color:rgb(69, 163, 144)  
}
```

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(69, 163, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 163, 144) }
```

Border

The CSS property to change the border of an element to XYZ 20.5855, 29.4732, 30.9895 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(69, 163, 144) }
```


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

```
.border{ border-color:rgb(69, 163, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 163, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 163, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 163, 144);  
box-shadow:4px 4px 4px 4px rgb(69, 163,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5855, 29.4732, 30.9895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 163, 144) }
```

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

```
.background{ background-color: rgb(69, 163,  
144) }
```

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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