

Converting Colors

XYZ(20.2723, 30.7023, 27.2471)

Have a look what the booklet for
XYZ(20.2723, 30.7023, 27.2471)
contains.

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Color

**XYZ(20.3556, 30.7833,
27.4232)**

Conversions

Conversions Part 1

Format	Color
Hex	3FA886
RGB	63, 168, 134
RGB Percent	25%, 66%, 53%
CMY	0.7529, 0.3412, 0.4745
CMYK	0.62, 0.00, 0.20, 0.34
HSL	161°, 45%, 45%
HSV	161°, 62%, 66%
XYZ	20.3556, 30.7833, 27.4232
YIQ	132.7290, -51.6660, -32.8340

Conversions

Conversions Part 2

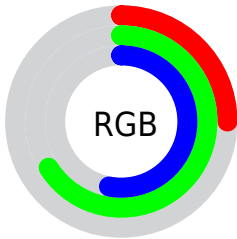
Format	Color
RYB	63, 126, 168
Decimal	4171910
CIELab	62.32, -38.46, 8.74
CIElCh	62, 39.438, 167.199
Yxy	30.7833, 0.2591, 0.3918
Android (android.graphics.Color)	4282361990 (0xFF3FA886)
YUV	132.7290, 0.6266, -61.1523
Hunter-Lab	55.4827, -31.6063, 9.5329

Details

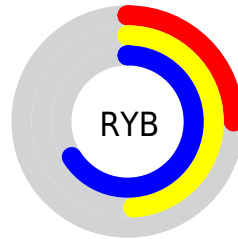
The XYZ color **20.3556, 30.7833, 27.4232** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.0846, 12.7436, 12.7115**, and the grayscale version is **22.2078, 23.3643, 25.4438**.

A 20% lighter version of the original color is **43.5105, 60.9641, 56.4877**, and **7.7310, 12.9016, 10.4703** is the 20% darker color. If you saturate the color by 10%, you get **19.0724, 30.1653, 25.4335**, and if you desaturate by 10%, it is **21.9874, 31.5803, 29.5325**.

Distribution



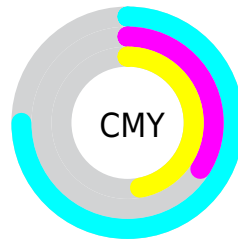
- Red (25%)
- Green (66%)
- Blue (53%)



- Red (25%)
- Yellow (49%)
- Blue (66%)



- Cyan (62%)
- Magenta (0%)
- Yellow (20%)
- Black (34%)



- Cyan (75%)
- Magenta (34%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3556, 30.7833, 27.4232 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 20.3556, 30.7833, 27.4232 by changing the saturation by 10% instead.

■ 20.3556, 30.7833,
27.4232

■ 20.3556, 30.7833,
27.4232

246.6308,
305.5387, 303.5251

■ 12.7636, 20.4339,
17.6561

■ 43.5120, 60.8987,
56.5742

■ 7.3418, 12.7108,
10.5365

■ 59.8070, 81.4336,
76.7951

■ 3.7250, 7.2297,
5.6458

■ 79.7338, 106.1323,
101.3378

■ 1.5478, 3.6062,
2.5657

■ 103.6576,
135.3794, 130.6206

■ 0.3580, 1.4558,
0.8747

■ 131.9439,
169.5592, 165.0622

■ 0.0000, 0.2573,
0.0000

164.9579,

■ 0.0000, 0.0000,

209.0560, 205.0812

0.0000

203.0651,
254.2544, 251.0960

■ 20.3556, 30.7833,
27.4232

■ 20.3556, 30.7833,
27.4232

■ 19.0724, 30.1653,
25.4335

■ 21.9874, 31.5803,
29.5325

■ 18.1041, 29.7066,
23.5583

■ 23.9925, 32.5667,
31.7619

■ 17.4144, 29.3894,
21.7951

■ 26.3963, 33.7563,
34.1149

■ 17.0177, 29.2122,
20.5420

■ 29.2211, 35.1606,
36.5939

■ 32.4875, 36.7902,
39.2012

■ 36.2148, 38.6550,
41.9391

■ 40.4211, 40.7642,
44.8098

■ 45.1235, 43.1267,
47.8154

■ 50.3383, 45.7509,
50.9580

Harmonies

Analogous

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



22.3618, 30.7833, 17.2625



20.3556, 30.7833, 27.4232



20.5159, 30.7833, 42.9722

Triad

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



20.3556, 30.7833, 27.4232



32.3964, 30.7833, 70.1241



36.7931, 30.7833, 16.2588

Complementary

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



20.3556, 30.7833, 27.4232



20.0846, 12.7436, 12.7115

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.



40.1874, 30.7833, 25.5630



20.3556, 30.7833, 27.4232



37.4450, 30.7833, 57.6914

Square

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



20.3556, 30.7833, 27.4232



27.0450, 30.7833, 71.0824



40.4396, 30.7833, 40.4544



31.5898, 30.7833, 12.2629

Rectangle

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



20.3556, 30.7833, 27.4232



21.8276, 30.7833, 54.5908



40.4396, 30.7833, 40.4544



38.2096, 30.7833, 18.7141

Sweetspot

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



20.3564, 30.7845, 27.4239



54.8030, 64.6882, 67.8675



19.9378, 30.9621, 9.6285



11.6058, 13.9303, 14.5136



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.



20.3564, 30.7845, 27.4239



33.8624, 54.3816, 44.8072



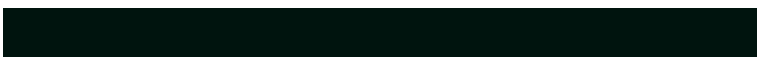
20.1050, 25.8577, 40.9787



7.6427, 8.4901, 9.1044



12.8748, 22.0687, 15.6394



0.3351, 0.5457, 0.4958

Inverse Universe

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



20.0846, 12.7436, 12.7115



33.3730, 18.9070, 16.1018



19.9520, 14.4953, 6.4493



7.6275, 7.5809, 8.3557



12.7260, 6.4991, 3.3685



0.3329, 0.1674, 0.2045

Previews

White Background



This preview shows how the XYZ color 20.3556, 30.7833, 27.4232 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.3556, 30.7833, 27.4232 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 ✓ Pass

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

XYZ 20.3556, 30.7833, 27.4232

Background



This preview shows how black text looks on a background with the XYZ color 20.3556, 30.7833, 27.4232.



This preview shows how white text looks on a background with the XYZ color 20.3556, 30.7833,

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

20.3556, 30.7833, 27.4232

Protanopia

28.5497, 30.2447, 23.7351

Deuteranopia

30.7819, 30.1354, 28.6204



Tritanopia

23.8826, 30.5981, 45.2047

Trichromacy



Original Color

20.3556, 30.7833, 27.4232

Protanomaly

23.9531, 29.5464, 24.8626

Deuteranomaly

25.1125, 29.3344, 28.0055

Tritanomaly

22.3683, 30.5055, 37.9669

Monochromacy



Original Color

20.3556, 30.7833, 27.4232

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.6969, 25.4394, 26.0098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3556, 30.7833, 27.4232 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(63, 168, 134)` looks like.

```
.text, #text, p{  
    color:rgb(63, 168, 134)  
}
```

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(63, 168, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 168, 134) }
```

Border

The CSS property to change the border of an element to XYZ 20.3556, 30.7833, 27.4232 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(63, 168, 134) }
```


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

```
.border{ border-color:rgb(63, 168, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 168, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 168, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 168, 134);  
box-shadow:4px 4px 4px 4px rgb(63, 168,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3556, 30.7833, 27.4232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 168, 134) }
```

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

```
.background{ background-color: rgb(63, 168,  
134) }
```

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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