

Converting Colors

XYZ(20.4367, 26.8406, 31.5534)

Have a look what the booklet for
XYZ(20.4367, 26.8406, 31.5534)
contains.

XYZ(20.4954, 26.8675, 31.7095)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.4954, 26.8675,
31.7095)**

Conversions

Conversions Part 1

Format	Color
Hex	569993
RGB	86, 153, 147
RGB Percent	34%, 60%, 58%
CMY	0.6627, 0.4000, 0.4235
CMYK	0.44, 0.00, 0.04, 0.40
HSL	175°, 28%, 47%
HSV	175°, 44%, 60%
XYZ	20.4954, 26.8675, 31.7095
YIQ	132.2830, -38.0060, -16.0700

Conversions

Conversions Part 2

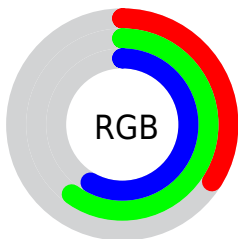
Format	Color
R_{YB}	86, 121, 153
Decimal	5675411
CIE _{Lab}	58.85, -22.81, -3.51
CIE _{LCh}	59, 23.074, 188.760
Yxy	26.8675, 0.2592, 0.3398
Android (android.graphics.Color)	4283865491 (0xFF569993)
YUV	132.2830, 7.2555, -40.5902
Hunter-Lab	51.8339, -20.1294, 0.0129

Details

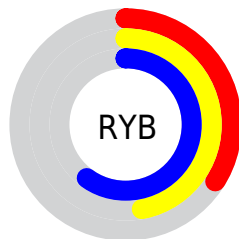
The XYZ color **20.4954, 26.8675, 31.7095** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.3973, 14.2012, 11.8975**, and the grayscale version is **22.0193, 23.1660, 25.2278**.

A 20% lighter version of the original color is **43.9137, 54.9042, 63.5414**, and **7.4741, 10.6571, 12.9724** is the 20% darker color. If you saturate the color by 10%, you get **19.1280, 26.1756, 31.0880**, and if you desaturate by 10%, it is **22.1672, 27.7175, 32.3532**.

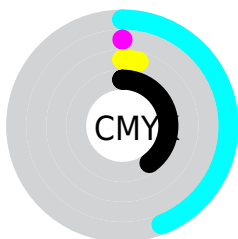
Distribution



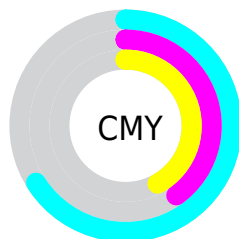
- Red (34%)
- Green (60%)
- Blue (58%)



- Red (34%)
- Yellow (47%)
- Blue (60%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (40%)



- Cyan (66%)
- Magenta (40%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4954, 26.8675, 31.7095 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 20.4954, 26.8675, 31.7095 by changing the saturation by 10% instead.

■ 20.4954, 26.8675,
31.7095

■ 20.4954, 26.8675,
31.7095

247.3673,
287.0150, 324.2456

■ 12.8660, 17.4737,
20.8767

■ 43.7438, 54.6712,
63.4480

■ 7.4127, 10.5728,
12.8436

■ 60.0936, 73.8499,
85.1908

■ 3.7701, 5.7804,
7.1915

■ 80.0809, 97.0590,
111.4074

■ 1.5729, 2.7120,
3.5019

■ 104.0710,
124.6830, 142.5163

■ 0.3747, 0.9833,
1.3563

132.4294,
157.1062, 178.9360

■ 0.0000, 0.0000,
0.1072

165.5213,

■ 0.0000, 0.0000,

194.7130, 221.0851

0.0000

203.7122,
237.8878, 269.3821

■ 20.4954, 26.8675,
31.7095

■ 20.4954, 26.8675,
31.7095

■ 19.1280, 26.1756,
31.0880

■ 22.1672, 27.7175,
32.3532

■ 18.0433, 25.6286,
30.4857

■ 24.1588, 28.7316,
33.0179

■ 17.2203, 25.2164,
29.9024

■ 26.4873, 29.9191,
33.7052

■ 16.6341, 24.9261,
29.3367

■ 29.1680, 31.2881,
34.4156

■ 16.2552, 24.7426,
28.7874

■ 32.2150, 32.8458,
35.1501

■ 16.0737, 24.6562,
28.4521

■ 35.6420, 34.5993,
35.9091

■ 39.4618, 36.5550,
36.6933

■ 43.6865, 38.7194,
37.5033

■ 48.3279, 41.0984,
38.3397

Harmonies

Analogous

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



20.7628, 26.8675, 23.9297



20.4954, 26.8675, 31.7095



21.4982, 26.8675, 40.2185

Triad

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



20.4954, 26.8675, 31.7095



29.1228, 26.8675, 43.2752



27.5735, 26.8675, 16.9305

Complementary

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



20.4954, 26.8675, 31.7095



18.3973, 14.2012, 11.8975

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.



30.0518, 26.8675, 20.4890



20.4954, 26.8675, 31.7095



30.9916, 26.8675, 35.3150

Square

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



20.4954, 26.8675, 31.7095



26.3803, 26.8675, 47.6645



31.3436, 26.8675, 26.9289



24.7114, 26.8675, 16.3248

Rectangle

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



20.4954, 26.8675, 31.7095



22.7993, 26.8675, 44.8258



31.3436, 26.8675, 26.9289



28.4850, 26.8675, 17.7844

Sweetspot

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



20.4962, 26.8686, 31.7101



47.6739, 53.7021, 60.4265



17.5556, 25.7670, 12.8527



10.3253, 11.7551, 13.2861



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.4962, 26.8686, 31.7101



34.1987, 46.8473, 55.6446



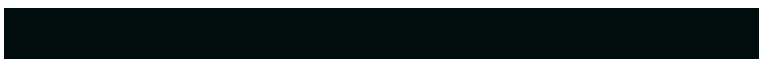
17.0747, 19.2521, 32.9543



6.3607, 7.0170, 7.8229



13.2904, 20.3796, 23.5473



0.2047, 0.3071, 0.3839

Inverse Universe

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



18.3973, 14.2012, 11.8975



29.9280, 21.0200, 15.2924



20.7003, 19.2107, 11.4215



6.2302, 6.2312, 6.5921



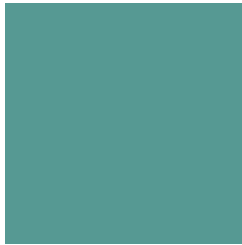
10.9273, 5.6251, 0.8760



0.1686, 0.0862, 0.0405

Previews

White Background



This preview shows how the XYZ color 20.4954, 26.8675, 31.7095 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 20.4954, 26.8675, 31.7095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

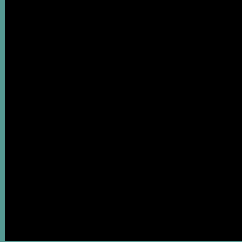
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4954, 26.8675, 31.7095

Background



This preview shows how black text looks on a background with the XYZ color 20.4954, 26.8675, 31.7095.

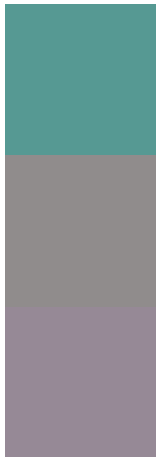


This preview shows how white text looks on a background with the XYZ color 20.4954, 26.8675,

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

20.4954, 26.8675, 31.7095

Protanopia

25.6133, 26.5789, 28.5912

Deuteranopia

27.0284, 26.5774, 32.5596



Tritanopia

21.9919, 27.0017, 38.7031

Trichromacy



Original Color

20.4954, 26.8675, 31.7095

Protanomaly

23.2517, 26.4449, 29.8655

Deuteranomaly

23.9997, 26.3269, 32.2504

Tritanomaly

21.4339, 27.0146, 35.9830

Monochromacy



Original Color

20.4954, 26.8675, 31.7095

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.9637, 24.2071, 27.2345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4954, 26.8675, 31.7095 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(86, 153, 147)` looks like.

```
.text, #text, p{  
    color:rgb(86, 153, 147)  
}
```

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(86, 153, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 153, 147) }
```

Border

The CSS property to change the border of an element to XYZ 20.4954, 26.8675, 31.7095 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(86, 153, 147) }
```


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

```
.border{ border-color:rgb(86, 153, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 153, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 153, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 153, 147);  
box-shadow:4px 4px 4px 4px rgb(86, 153,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4954, 26.8675, 31.7095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 153, 147) }
```

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

```
.background{ background-color: rgb(86, 153,  
147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor