

Converting Colors

XYZ(20.7156, 27.4904, 34.7356)

Have a look what the booklet for
XYZ(20.7156, 27.4904, 34.7356)
contains.

XYZ(20.6960, 27.3955, 34.7689)	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(20.6960, 27.3955,
34.7689)**

Conversions

Conversions Part 1

Format	Color
Hex	4E9B9A
RGB	78, 155, 154
RGB Percent	31%, 61%, 60%
CMY	0.6941, 0.3921, 0.3961
CMYK	0.50, 0.00, 0.01, 0.39
HSL	179°, 33%, 46%
HSV	179°, 50%, 61%
XYZ	20.6960, 27.3955, 34.7689
YIQ	131.8630, -45.5710, -16.6350

Conversions

Conversions Part 2

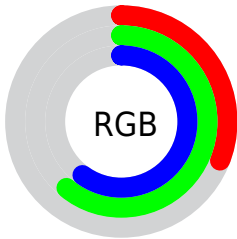
Format	Color
R_{YB}	78, 117, 155
Decimal	5151642
CIE _{Lab}	59.34, -23.93, -6.81
CIE _{LCh}	59, 24.879, 195.880
Yxy	27.3955, 0.2498, 0.3306
Android (android.graphics.Color)	4283341722 (0xFF4E9B9A)
YUV	131.8630, 10.9135, -47.2379
Hunter-Lab	52.3407, -21.0157, -2.7467

Details

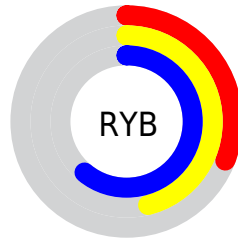
The XYZ color **20.6960, 27.3955, 34.7689** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.6542, 12.9828, 8.9736**, and the grayscale version is **21.8572, 22.9955, 25.0421**.

A 20% lighter version of the original color is **44.1046, 55.6338, 68.0883**, and **7.4644, 10.7653, 14.5165** is the 20% darker color. If you saturate the color by 10%, you get **19.5562, 26.8105, 34.6286**, and if you desaturate by 10%, it is **22.1368, 28.1370, 34.9247**.

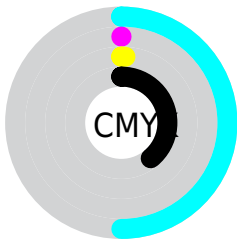
Distribution



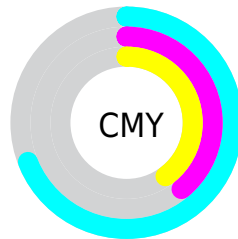
- Red (31%)
- Green (61%)
- Blue (60%)



- Red (31%)
- Yellow (46%)
- Blue (61%)



- Cyan (50%)
- Magenta (0%)
- Yellow (1%)
- Black (39%)



- Cyan (69%)
- Magenta (39%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6960, 27.3955, 34.7689 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 20.6960, 27.3955, 34.7689 by changing the saturation by 10% instead.

■ 20.6960, 27.3955,
34.7689

■ 20.6960, 27.3955,
34.7689

248.4209,
289.5670, 338.4203

■ 13.0132, 17.8705,
23.2028

■ 44.0761, 55.5179,
68.2751

■ 7.5147, 10.8570,
14.5366

■ 60.5042, 74.8840,
91.0523

■ 3.8352, 5.9708,
8.3518

■ 80.5779, 98.2993,
118.4035

■ 1.6093, 2.8273,
4.2299

■ 104.6629,
126.1482, 150.7475

■ 0.3985, 1.0423,
1.7523

■ 133.1242,
158.8150, 188.5025

■ 0.0000, 0.0000,
0.3962

166.3275,

■ 0.0000, 0.0000,

196.6841, 232.0874

0.0000

204.6379,
240.1400, 281.9204

■ 20.6960, 27.3955,
34.7689

■ 20.6960, 27.3955,
34.7689

■ 19.5562, 26.8105,
34.6286

■ 22.1368, 28.1370,
34.9247

■ 18.6935, 26.3677,
34.5007

■ 23.8955, 29.0416,
35.0949

■ 18.0847, 26.0558,
34.3850

■ 25.9904, 30.1197,
35.2810

■ 17.7014, 25.8601,
34.2799

■ 28.4381, 31.3795,
35.4837

■ 17.4773, 25.7465,
34.1824

■ 31.2537, 32.8291,
35.7038

■ 17.4704, 25.7430,
34.1792

■ 34.4517, 34.4758,
35.9419

■ 38.0457, 36.3266,
36.1988

■ 42.0486, 38.3882,
36.4749

■ 46.4729, 40.6670,
36.7708

Harmonies

Analogous

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



20.6552, 27.3955, 25.8400



20.6960, 27.3955, 34.7689



22.0905, 27.3955, 43.9028

Triad

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



20.6960, 27.3955, 34.7689



30.5756, 27.3955, 43.4230



27.5261, 27.3955, 16.1034

Complementary

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



20.6960, 27.3955, 34.7689



17.6542, 12.9828, 8.9736

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.



30.4312, 27.3955, 19.1390



20.6960, 27.3955, 34.7689



32.2844, 27.3955, 34.2089

Square

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



20.6960, 27.3955, 34.7689



27.7107, 27.3955, 49.5385



32.2296, 27.3955, 25.3807



24.4352, 27.3955, 16.1938

Rectangle

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



20.6960, 27.3955, 34.7689



23.6687, 27.3955, 48.3664



32.2296, 27.3955, 25.3807



28.5617, 27.3955, 16.7609

Sweetspot

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



20.6968, 27.3966, 34.7695



48.3863, 54.8872, 63.3375



16.3455, 25.6683, 11.3014



10.7618, 12.3256, 14.3202



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.6968, 27.3966, 34.7695



34.7602, 47.8787, 61.9782



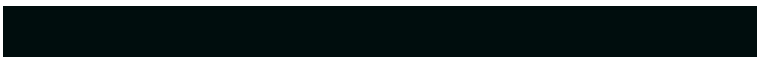
15.5122, 16.8932, 33.4546



6.3811, 7.0252, 7.9304



14.0330, 20.6766, 27.4580



0.2107, 0.3095, 0.4155

Inverse Universe

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



17.6542, 12.9828, 8.9736



28.6487, 18.9141, 10.1539



21.0492, 19.8306, 9.9268



6.2119, 6.2239, 6.4959



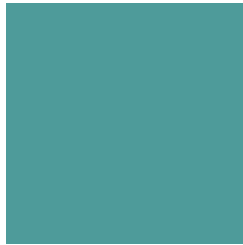
10.8674, 5.6012, 0.5607



0.1632, 0.0840, 0.0124

Previews

White Background



This preview shows how the XYZ color 20.6960, 27.3955, 34.7689 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 20.6960, 27.3955, 34.7689 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

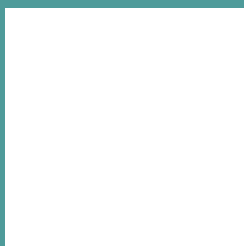
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6960, 27.3955, 34.7689

Background



This preview shows how black text looks on a background with the XYZ color 20.6960, 27.3955, 34.7689.

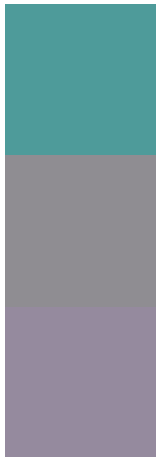


This preview shows how white text looks on a background with the XYZ color 20.6960, 27.3955,

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

20.6960, 27.3955, 34.7689

Protanopia

26.0409, 26.9647, 31.0263

Deuteranopia

27.6545, 27.0351, 36.1085



Tritanopia

21.7538, 27.3295, 40.2050

Trichromacy



Original Color

20.6960, 27.3955, 34.7689

Protanomaly

23.3114, 26.6496, 32.3490

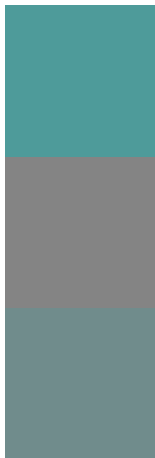
Deuteranomaly

24.2274, 26.5918, 35.7541

Tritanomaly

21.4705, 27.4692, 38.3529

Monochromacy



Original Color

20.6960, 27.3955, 34.7689

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.7938, 24.0944, 28.3657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6960, 27.3955, 34.7689 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(78, 155, 154)` looks like.

```
.text, #text, p{  
    color:rgb(78, 155, 154)  
}
```

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(78, 155, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 155, 154) }
```

Border

The CSS property to change the border of an element to XYZ 20.6960, 27.3955, 34.7689 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(78, 155, 154) }
```


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

```
.border{ border-color:rgb(78, 155, 154) }
```

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

Here you see how a box with a 4 pixel rgb(78, 155, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 155, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 155, 154);  
box-shadow:4px 4px 4px 4px rgb(78, 155,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6960, 27.3955, 34.7689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 155, 154) }
```

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

```
.background{ background-color: rgb(78, 155,  
154) }
```

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