

Converting Colors

XYZ(20.7810, 29.1812, 36.8496)

Have a look what the booklet for
XYZ(20.7810, 29.1812, 36.8496)
contains.

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Color

**XYZ(20.7792, 29.1791,
36.8847)**

Conversions

Conversions Part 1

Format	Color
Hex	39A29E
RGB	57, 162, 158
RGB Percent	22%, 64%, 62%
CMY	0.7764, 0.3647, 0.3804
CMYK	0.65, 0.00, 0.02, 0.36
HSL	178°, 48%, 43%
HSV	178°, 65%, 64%
XYZ	20.7792, 29.1791, 36.8847
YIQ	130.1490, -61.2960, -23.5040

Conversions

Conversions Part 2

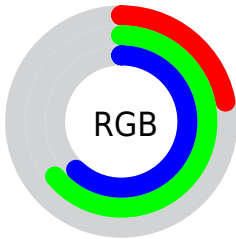
Format	Color
RYB	57, 111, 162
Decimal	3777182
CIELab	60.94, -30.43, -6.77
CIELCh	61, 31.170, 192.537
Yxy	29.1791, 0.2393, 0.3360
Android (android.graphics.Color)	4281967262 (0xFF39A29E)
YUV	130.1490, 13.7305, -64.1517
Hunter-Lab	54.0177, -25.8666, -2.6724

Details

The XYZ color **20.7792, 29.1791, 36.8847** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.2067, 10.9454, 5.6216**, and the grayscale version is **21.2402, 22.3463, 24.3351**.

A 20% lighter version of the original color is **44.1592, 58.2117, 71.8593**, and **8.2298, 12.2134, 15.8336** is the 20% darker color. If you saturate the color by 10%, you get **19.9461, 28.7564, 36.5696**, and if you desaturate by 10%, it is **21.9090, 29.7560, 37.2164**.

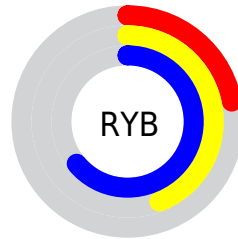
Distribution



Red (22%)

Green (64%)

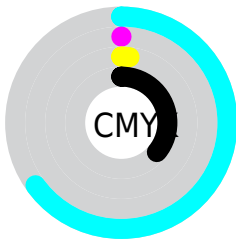
Blue (62%)



Red (22%)

Yellow (44%)

Blue (64%)

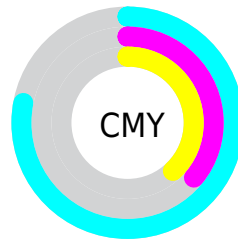


Cyan (65%)

Magenta (0%)

Yellow (2%)

Black (36%)



Cyan (78%)

Magenta (36%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7792, 29.1791, 36.8847 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 20.7792, 29.1791, 36.8847 by changing the saturation by 10% instead.

■ 20.7792, 29.1791,
36.8847

■ 20.7792, 29.1791,
36.8847

248.8567,
298.0591, 347.9647

■ 13.0742, 19.2163,
24.8231

■ 44.2138, 58.3615,
71.5798

■ 7.5570, 11.8267,
15.7275

■ 60.6742, 78.3500,
95.0503

■ 3.8622, 6.6258,
9.1793

■ 80.7838, 102.4491,
123.1610

■ 1.6245, 3.2292,
4.7599

■ 104.9078,
131.0434, 156.3303

■ 0.4083, 1.2525,
2.0508

■ 133.4118,
164.5171, 194.9768

■ 0.0000, 0.1040,
0.5863

166.6611,

■ 0.0000, 0.0000,

203.2547, 239.5190

0.0000

205.0209,
247.6405, 290.3755

■ 20.7792, 29.1791,
36.8847

■ 20.7792, 29.1791,
36.8847

■ 19.9461, 28.7564,
36.5696

■ 21.9090, 29.7560,
37.2164

■ 19.3779, 28.4696,
36.2677

■ 23.3581, 30.4969,
37.5637

■ 19.0394, 28.3011,
35.9779

■ 25.1502, 31.4146,
37.9285

■ 18.9070, 28.2360,
35.8301

■ 27.3058, 32.5196,
38.3117

■ 29.8439, 33.8217,
38.7142

■ 32.7820, 35.3300,
39.1369

■ 36.1368, 37.0532,
39.5804

■ 39.9238, 38.9991,
40.0456

■ 44.1579, 41.1754,
40.5331

Harmonies

Analogous

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



20.9230, 29.1791, 25.5129



20.7792, 29.1791, 36.8847



22.3615, 29.1791, 49.4449

Triad

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



20.7792, 29.1791, 36.8847



33.3638, 29.1791, 51.2956



30.1474, 29.1791, 14.8380

Complementary

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



20.7792, 29.1791, 36.8847



17.2067, 10.9454, 5.6216

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.



33.9043, 29.1791, 18.9078



20.7792, 29.1791, 36.8847



35.8823, 29.1791, 38.9770

Square

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



20.7792, 29.1791, 36.8847



29.4662, 29.1791, 59.0311



36.0893, 29.1791, 27.1534



26.0708, 29.1791, 14.5401

Rectangle

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



20.7792, 29.1791, 36.8847



24.2815, 29.1791, 56.0745



36.0893, 29.1791, 27.1534



31.4989, 29.1791, 15.7542

Sweetspot

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



20.7801, 29.1802, 36.8854



51.9934, 60.2782, 69.9441



15.6621, 27.1694, 8.2903



11.3985, 13.3951, 15.6644



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.



20.7801, 29.1802, 36.8854



35.6711, 51.9313, 66.1286



14.3121, 15.6841, 36.4566



7.2644, 8.0066, 9.0041



14.8987, 22.2458, 28.2465



0.3164, 0.4688, 0.6111

Inverse Universe

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



17.2067, 10.9454, 5.6216



28.6890, 16.1991, 4.9653



20.6154, 17.9290, 6.2457



7.0842, 7.0901, 7.4298



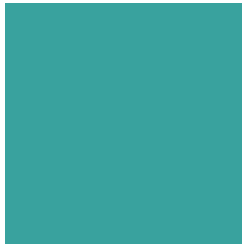
11.7692, 6.0637, 0.7092



0.2504, 0.1286, 0.0312

Previews

White Background



This preview shows how the XYZ color 20.7792, 29.1791, 36.8847 looks on a white background.

Color Contrast Check

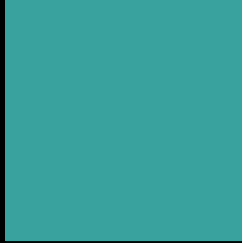
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7792, 29.1791, 36.8847 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

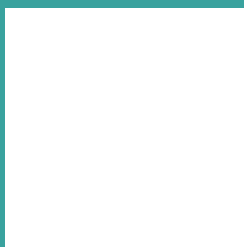
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7792, 29.1791, 36.8847

Background



This preview shows how black text looks on a background with the XYZ color 20.7792, 29.1791, 36.8847.

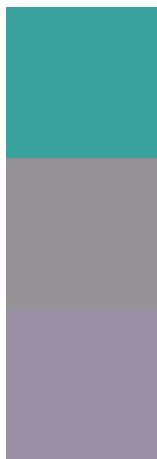


This preview shows how white text looks on a background with the XYZ color 20.7792, 29.1791,

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

20.7792, 29.1791, 36.8847

Protanopia

27.6834, 28.6848, 32.0946

Deuteranopia

29.3315, 28.7269, 38.1813



Tritanopia

22.2280, 29.2487, 44.0092

Trichromacy



Original Color

20.7792, 29.1791, 36.8847

Protanomaly

23.8043, 28.0451, 33.8644

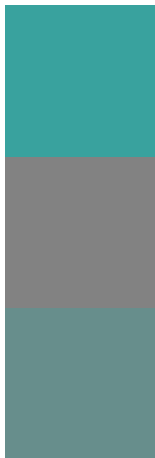
Deuteranomaly

24.6517, 27.9197, 37.8080

Tritanomaly

21.7372, 29.3090, 41.5573

Monochromacy



Original Color

20.7792, 29.1791, 36.8847

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.0001, 24.1230, 28.4130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7792, 29.1791, 36.8847 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(57, 162, 158)` looks like.

```
.text, #text, p{  
    color:rgb(57, 162, 158)  
}
```

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(57, 162, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 162, 158) }
```

Border

The CSS property to change the border of an element to XYZ 20.7792, 29.1791, 36.8847 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(57, 162, 158) }
```


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

```
.border{ border-color:rgb(57, 162, 158) }
```

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

Here you see how a box with a 4 pixel rgb(57, 162, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 162, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 162, 158);  
box-shadow:4px 4px 4px 4px rgb(57, 162,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7792, 29.1791, 36.8847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 162, 158) }
```

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

```
.background{ background-color: rgb(57, 162,  
158) }
```

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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