

Converting Colors

XYZ(20.6000, 30.1584, 34.4751)

Have a look what the booklet for
XYZ(20.6000, 30.1584, 34.4751)
contains.

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Color

**XYZ(20.6191, 30.2175,
34.4516)**

Conversions

Conversions Part 1

Format	Color
Hex	32A698
RGB	50, 166, 152
RGB Percent	20%, 65%, 60%
CMY	0.8039, 0.3490, 0.4039
CMYK	0.70, 0.00, 0.08, 0.35
HSL	173°, 54%, 42%
HSV	173°, 70%, 65%
XYZ	20.6191, 30.2175, 34.4516
YIQ	129.7200, -64.6420, -28.9460

Conversions

Conversions Part 2

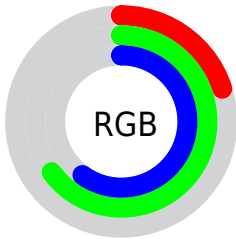
Format	Color
RYB	50, 112, 166
Decimal	3319448
CIELab	61.84, -35.09, -2.08
CIElCh	62, 35.152, 183.384
Yxy	30.2175, 0.2418, 0.3543
Android (android.graphics.Color)	4281509528 (0xFF32A698)
YUV	129.7200, 10.9840, -69.9144
Hunter-Lab	54.9704, -29.2440, 1.3205

Details

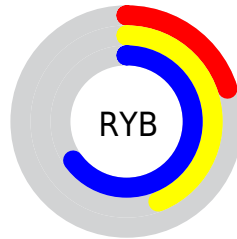
The XYZ color **20.6191, 30.2175, 34.4516** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.7929, 10.7592, 5.9906**, and the grayscale version is **21.0990, 22.1978, 24.1734**.

A 20% lighter version of the original color is **44.0719, 60.2095, 67.6913**, and **8.2541, 12.7498, 14.3378** is the 20% darker color. If you saturate the color by 10%, you get **19.7818, 29.8054, 33.5635**, and if you desaturate by 10%, it is **21.7577, 30.7860, 35.3696**.

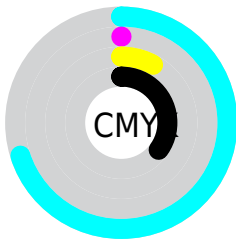
Distribution



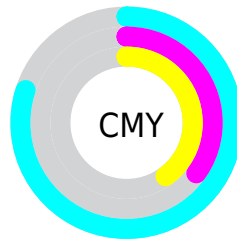
- Red (20%)
- Green (65%)
- Blue (60%)



- Red (20%)
- Yellow (44%)
- Blue (65%)



- Cyan (70%)
- Magenta (0%)
- Yellow (8%)
- Black (35%)



- Cyan (80%)
- Magenta (35%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6191, 30.2175, 34.4516 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 20.6191, 30.2175, 34.4516 by changing the saturation by 10% instead.

■ 20.6191, 30.2175,
34.4516

■ 20.6191, 30.2175,
34.4516

248.0174,
302.9170, 336.9715

■ 12.9567, 20.0037,
22.9606

■ 43.9488, 60.0060,
67.7772

■ 7.4756, 12.3978,
14.3594

■ 60.3469, 80.3495,
90.4489

■ 3.8102, 7.0152,
8.2294

■ 80.3875, 104.8383,
117.6846

■ 1.5953, 3.4716,
4.1522

■ 104.4362,
133.8570, 149.9028

■ 0.3894, 1.3826,
1.7092

■ 132.8581,
167.7897, 187.5220

■ 0.0000, 0.2039,
0.3670

166.0187,

■ 0.0000, 0.0000,

207.0211, 230.9609

0.0000

204.2834,
251.9353, 280.6378

■ 20.6191, 30.2175,
34.4516

■ 20.6191, 30.2175,
34.4516

■ 19.7818, 29.8054,
33.5635

■ 21.7577, 30.7860,
35.3696

■ 19.2092, 29.5287,
32.7016

■ 23.2237, 31.5224,
36.3168

■ 18.8268, 29.3497,
31.8629

■ 25.0435, 32.4407,
37.2951

■ 18.8223, 29.3476,
31.8526

■ 27.2400, 33.5530,
38.3058

■ 29.8341, 34.8698,
39.3498

■ 32.8453, 36.4014,
40.4282

■ 36.2916, 38.1570,
41.5418

■ 40.1903, 40.1454,
42.6915

■ 44.5574, 42.3750,
43.8782

Harmonies

Analogous

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



21.3827, 30.2175, 22.6254



20.6191, 30.2175, 34.4516



21.8234, 30.2175, 49.2760

Triad

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



20.6191, 30.2175, 34.4516



33.9798, 30.2175, 59.5541



32.9578, 30.2175, 14.7783

Complementary

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



20.6191, 30.2175, 34.4516



17.7929, 10.7592, 5.9906

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.



36.9370, 30.2175, 20.6279



20.6191, 30.2175, 34.4516



37.5708, 30.2175, 45.8961

Square

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



20.6191, 30.2175, 34.4516



29.2570, 30.2175, 66.0453



38.7075, 30.2175, 31.3990



28.1912, 30.2175, 13.2536

Rectangle

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



20.6191, 30.2175, 34.4516



23.6661, 30.2175, 58.3208



38.7075, 30.2175, 31.3990



34.4484, 30.2175, 16.2076

Sweetspot

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



20.6200, 30.2187, 34.4523



53.3837, 62.8970, 71.1230



16.4239, 28.6437, 7.6815



11.6579, 13.9287, 15.8030



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.



20.6200, 30.2187, 34.4523



35.2555, 53.7786, 60.0177



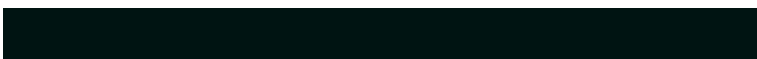
15.3403, 17.7145, 38.6883



7.7080, 8.5162, 9.4484



14.6067, 22.7614, 24.7595



0.3659, 0.5580, 0.6580

Inverse Universe

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



17.7929, 10.7592, 5.9906



29.8626, 16.1887, 5.3769



20.1762, 16.0855, 5.0597



7.5666, 7.5565, 8.0349



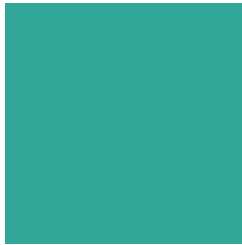
12.3026, 6.3298, 1.1393



0.3102, 0.1583, 0.0849

Previews

White Background



This preview shows how the XYZ color 20.6191, 30.2175, 34.4516 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 20.6191, 30.2175, 34.4516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

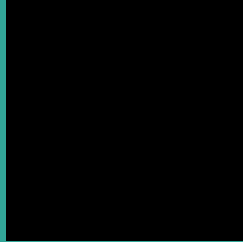
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.6191, 30.2175, 34.4516

Background



This preview shows how black text looks on a background with the XYZ color 20.6191, 30.2175, 34.4516.

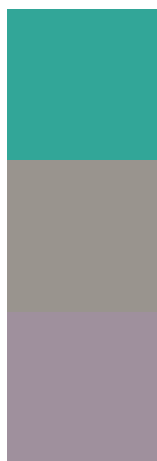


This preview shows how white text looks on a background with the XYZ color 20.6191, 30.2175,

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

20.6191, 30.2175, 34.4516

Protanopia

28.6093, 29.9051, 29.8556

Deuteranopia

30.3571, 29.7518, 36.0410



Tritanopia

22.9836, 30.3857, 45.7280

Trichromacy



Original Color

20.6191, 30.2175, 34.4516



Protanomaly

24.1121, 29.2310, 31.5654



Deuteranomaly

24.7524, 28.7450, 35.2541



Tritanomaly

21.9954, 30.2405, 41.2369

Monochromacy



Original Color

20.6191, 30.2175, 34.4516



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.7767, 24.2466, 27.6825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6191, 30.2175, 34.4516 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(50, 166, 152)` looks like.

```
.text, #text, p{  
    color:rgb(50, 166, 152)  
}
```

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(50, 166, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 166, 152) }
```

Border

The CSS property to change the border of an element to XYZ 20.6191, 30.2175, 34.4516 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(50, 166, 152) }
```


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

```
.border{ border-color:rgb(50, 166, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 166, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 166, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 166, 152);  
box-shadow:4px 4px 4px 4px rgb(50, 166,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6191, 30.2175, 34.4516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 166, 152) }
```

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

```
.background{ background-color: rgb(50, 166,  
152) }
```

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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