

Converting Colors

XYZ(20.9995, 34.3241, 22.5668)

Have a look what the booklet for
XYZ(20.9995, 34.3241, 22.5668)
contains.

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Color

**XYZ(21.0775, 34.4181,
22.6720)**

Conversions

Conversions Part 1

Format	Color
Hex	39B376
RGB	57, 179, 118
RGB Percent	22%, 70%, 46%
CMY	0.7765, 0.2980, 0.5372
CMYK	0.68, 0.00, 0.34, 0.30
HSL	150°, 52%, 46%
HSV	150°, 68%, 70%
XYZ	21.0775, 34.4181, 22.6720
YIQ	135.5680, -53.1310, -44.8350

Conversions

Conversions Part 2

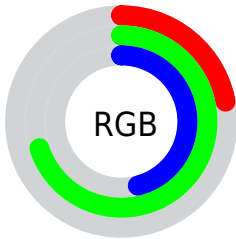
Format	Color
RYB	57, 138, 179
Decimal	3781494
CIELab	65.29, -47.76, 21.62
CIELCh	65, 52.424, 155.646
Yxy	34.4181, 0.2696, 0.4403
Android (android.graphics.Color)	4281971574 (0xFF39B376)
YUV	135.5680, -8.6610, -68.9041
Hunter-Lab	58.6669, -38.5368, 18.1541

Details

The XYZ color **21.0775, 34.4181, 22.6720** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **23.3247, 13.8188, 18.5790**, and the grayscale version is **23.2867, 24.4994, 26.6799**.

A 20% lighter version of the original color is **44.7224, 66.7447, 48.5561**, and **8.4078, 15.0969, 8.1011** is the 20% darker color. If you saturate the color by 10%, you get **19.7244, 33.7801, 19.9631**, and if you desaturate by 10%, it is **22.8425, 35.2645, 25.6652**.

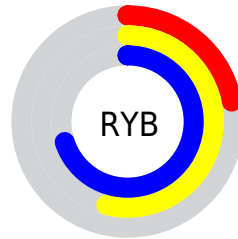
Distribution



Red (22%)

Green (70%)

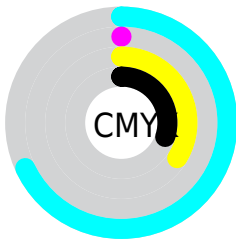
Blue (46%)



Red (22%)

Yellow (54%)

Blue (70%)

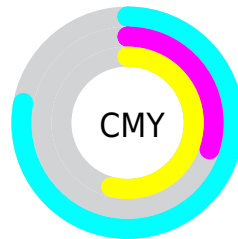


Cyan (68%)

Magenta (0%)

Yellow (34%)

Black (30%)



Cyan (78%)

Magenta (30%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0775, 34.4181, 22.6720 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 21.0775, 34.4181, 22.6720 by changing the saturation by 10% instead.


 21.0775, 34.4181,
22.6720


 21.0775, 34.4181,
22.6720

250.4140,
321.9923, 279.1029


 13.2934, 23.2150,
14.1485

 44.7068, 66.5833,
48.7705


 7.7093, 14.7523,
8.0841


 61.2827, 88.3142,
67.1826

 3.9597, 8.6457,
4.0603


 81.5200, 114.3232,
89.7280

 1.6794, 4.5108,
1.6585

 105.7840,
144.9945, 116.8252

 0.4433, 1.9632,
0.3320

 134.4400,
180.7127, 148.8927

 0.0000, 0.5860,
0.0000

167.8535,

 0.0000, 0.0000,

221.8622, 186.3492

0.0000

206.3897,
268.8273, 229.6131

■ 21.0775, 34.4181,
22.6720

■ 21.0775, 34.4181,
22.6720

■ 19.7244, 33.7801,
19.9631

■ 22.8425, 35.2645,
25.6652

■ 18.7395, 33.3252,
17.5270

■ 25.0521, 36.3332,
28.9489

■ 18.0569, 33.0207,
15.3536

■ 27.7386, 37.6416,
32.5322

■ 17.9450, 32.9712,
14.9798

■ 30.9304, 39.2042,
36.4230

■ 34.6536, 41.0344,
40.6287

■ 38.9324, 43.1444,
45.1566

■ 43.7895, 45.5458,
50.0137

■ 49.2463, 48.2497,
55.2066

■ 55.3232, 51.2662,
60.7420

Harmonies

Analogous

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



24.8810, 34.4181, 12.6379



21.0775, 34.4181, 22.6720



20.1693, 34.4181, 41.7664

Triad

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



21.0775, 34.4181, 22.6720



34.1792, 34.4181, 96.8298



46.1545, 34.4181, 17.9232

Complementary

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



21.0775, 34.4181, 22.6720



23.3247, 13.8188, 18.5790

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.



49.6083, 34.4181, 33.4890



21.0775, 34.4181, 22.6720



42.0378, 34.4181, 83.0856

Square

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



21.0775, 34.4181, 22.6720



27.0244, 34.4181, 90.3197



47.9955, 34.4181, 57.6281



39.1494, 34.4181, 10.7378

Rectangle

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



21.0775, 34.4181, 22.6720



21.1820, 34.4181, 58.7802



47.9955, 34.4181, 57.6281



47.8151, 34.4181, 22.0630

Sweetspot

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



21.0784, 34.4195, 22.6728



60.5224, 72.7312, 71.0693



24.6102, 36.5326, 9.6257



12.9898, 15.9076, 15.2767



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.0784, 34.4195, 22.6728



34.3248, 60.0322, 33.4103



25.7411, 36.2846, 47.2262



8.5603, 9.5586, 9.9439



12.7131, 23.3112, 10.7581



0.4295, 0.7452, 0.4936

Inverse Universe

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



23.3247, 13.8188, 18.5790



38.6238, 20.6074, 25.5757



20.8448, 12.8268, 5.5198



8.6676, 8.5738, 9.7482



14.4589, 7.3011, 7.5765



0.4844, 0.2415, 0.3935

Previews

White Background



This preview shows how the XYZ color 21.0775, 34.4181, 22.6720 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 21.0775, 34.4181, 22.6720 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

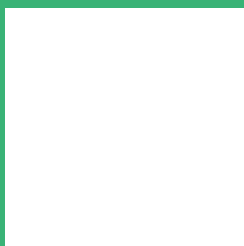
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0775, 34.4181, 22.6720

Background



This preview shows how black text looks on a background with the XYZ color 21.0775, 34.4181, 22.6720.

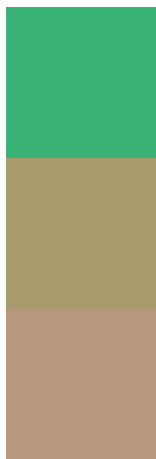


This preview shows how white text looks on a background with the XYZ color 21.0775, 34.4181,

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

21.0775, 34.4181, 22.6720

Protanopia

31.3949, 33.7641, 19.3304

Deuteranopia

34.4719, 33.7788, 23.7719



Tritanopia

26.7995, 34.4224, 51.1307

Trichromacy



Original Color

21.0775, 34.4181, 22.6720



Protanomaly

25.4330, 32.7472, 20.3096



Deuteranomaly

26.7390, 32.2982, 23.2372



Tritanomaly

24.3167, 34.2618, 39.0498

Monochromacy



Original Color

21.0775, 34.4181, 22.6720



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.2541, 27.1673, 24.8925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0775, 34.4181, 22.6720 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, 179, 118)` looks like.

```
.text, #text, p{  
  color:rgb(57, 179, 118)  
}
```

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, 179, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 179, 118) }
```

Border

The CSS property to change the border of an element to XYZ 21.0775, 34.4181, 22.6720 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, 179, 118) }
```


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

```
.border{ border-color:rgb(57, 179, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 179, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 179, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 179, 118);  
box-shadow:4px 4px 4px 4px rgb(57, 179,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0775, 34.4181, 22.6720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 179, 118) }
```

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

```
.background{ background-color: rgb(57, 179,  
118) }
```

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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