

Converting Colors

XYZ(21.5346, 32.2003, 22.7008)

Have a look what the booklet for
XYZ(21.5346, 32.2003, 22.7008)
contains.

XYZ(21.6092, 32.3667, 22.8778)	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(21.6092, 32.3667,
22.8778)**

Conversions

Conversions Part 1

Format	Color
Hex	54AB78
RGB	84, 171, 120
RGB Percent	33%, 67%, 47%
CMY	0.6706, 0.3294, 0.5294
CMYK	0.51, 0.00, 0.30, 0.33
HSL	145°, 34%, 50%
HSV	145°, 51%, 67%
XYZ	21.6092, 32.3667, 22.8778
YIQ	139.1730, -35.4810, -34.3050

Conversions

Conversions Part 2

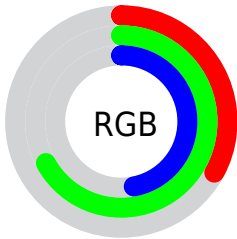
Format	Color
RYB	84, 146, 171
Decimal	5548920
CIELab	63.64, -38.13, 18.42
CIElCh	64, 42.346, 154.217
Yxy	32.3667, 0.2812, 0.4211
Android (android.graphics.Color)	4283739000 (0xFF54AB78)
YUV	139.1730, -9.4523, -48.3867
Hunter-Lab	56.8917, -31.7609, 15.9820

Details

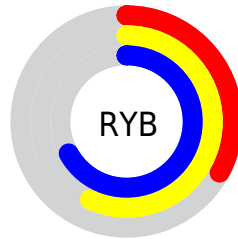
The XYZ color **21.6092, 32.3667, 22.8778** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **24.3391, 16.7485, 24.8726**, and the grayscale version is **24.6530, 25.9369, 28.2452**.

A 20% lighter version of the original color is **45.6594, 63.4443, 49.3746**, and **7.9925, 13.6060, 8.1662** is the 20% darker color. If you saturate the color by 10%, you get **19.6847, 31.4421, 19.7768**, and if you desaturate by 10%, it is **23.9727, 33.5120, 26.3333**.

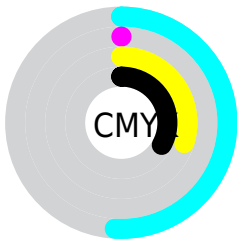
Distribution



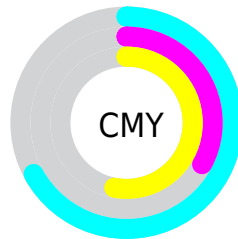
- Red (33%)
- Green (67%)
- Blue (47%)



- Red (33%)
- Yellow (57%)
- Blue (67%)



- Cyan (51%)
- Magenta (0%)
- Yellow (30%)
- Black (33%)



- Cyan (67%)
- Magenta (33%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6092, 32.3667, 22.8778 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 21.6092, 32.3667, 22.8778 by changing the saturation by 10% instead.

■ 21.6092, 32.3667,
22.8778

■ 21.6092, 32.3667,
22.8778

253.1695,
312.7863, 280.1983

■ 13.6850, 21.6417,
14.2988

■ 45.5829, 63.3855,
49.1132

■ 7.9822, 13.5939,
8.1877

■ 62.3632, 84.4482,
67.6068

■ 4.1352, 7.8388,
4.1258

■ 82.8261, 109.7255,
90.2424

■ 1.7789, 3.9919,
1.6946

■ 107.3372,
139.6019, 117.4384

■ 0.5049, 1.6691,
0.3570

136.2617,
174.4618, 149.6135

■ 0.0000, 0.4035,
0.0000

169.9650,

■ 0.0000, 0.0000,

214.6896, 187.1861

0.0000

208.8125,
260.6696, 230.5749

■ 21.6092, 32.3667,
22.8778

■ 21.6092, 32.3667,
22.8778

■ 19.6847, 31.4421,
19.7768

■ 23.9727, 33.5120,
26.3333

■ 18.1671, 30.7193,
17.0166

■ 26.7995, 34.8877,
30.1520

■ 17.0236, 30.1824,
14.5855

■ 30.1149, 36.5075,
34.3452

■ 16.2149, 29.8115,
12.4705

■ 33.9417, 38.3829,
38.9230

■ 15.6931, 29.5789,
10.8030

■ 38.3012, 40.5247,
43.8949

■ 43.2134, 42.9432,
49.2704

■ 48.6973, 45.6478,
55.0583

■ 54.7709, 48.6477,
61.2675

■ 61.4517, 51.9518,
67.9062

Harmonies

Analogous

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



24.7957, 32.3667, 14.5723



21.6092, 32.3667, 22.8778



20.7497, 32.3667, 37.6941

Triad

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



21.6092, 32.3667, 22.8778



31.6083, 32.3667, 78.7815



41.1701, 32.3667, 19.9035

Complementary

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



21.6092, 32.3667, 22.8778



24.3391, 16.7485, 24.8726

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.



43.5707, 32.3667, 32.8983



21.6092, 32.3667, 22.8778



37.6195, 32.3667, 69.6609

Square

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



21.6092, 32.3667, 22.8778



26.0729, 32.3667, 73.5057



42.1951, 32.3667, 51.4101



35.9856, 32.3667, 13.2817

Rectangle

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



21.6092, 32.3667, 22.8778



21.5055, 32.3667, 50.3785



42.1951, 32.3667, 51.4101



42.3576, 32.3667, 23.4885

Sweetspot

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



21.6101, 32.3680, 22.8785



57.6631, 67.2076, 66.0231



26.3501, 35.0184, 13.7582



12.5481, 14.8351, 14.3505



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.6101, 32.3680, 22.8785



34.8890, 56.1348, 34.7922



24.7683, 33.6313, 39.5099



8.0368, 8.9923, 9.2187



11.8548, 22.3072, 8.2751



0.3574, 0.6316, 0.3758

Inverse Universe

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



24.3391, 16.7485, 24.8726



40.3173, 24.9928, 38.7046



21.9283, 15.7841, 12.1776



8.1947, 8.0911, 9.3362



14.4302, 7.2346, 9.9109



0.4278, 0.2118, 0.4146

Previews

White Background



This preview shows how the XYZ color 21.6092, 32.3667, 22.8778 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 21.6092, 32.3667, 22.8778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

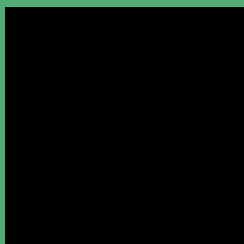
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.6092, 32.3667, 22.8778

Background



This preview shows how black text looks on a background with the XYZ color 21.6092, 32.3667, 22.8778.



This preview shows how white text looks on a background with the XYZ color 21.6092, 32.3667,

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

21.6092, 32.3667, 22.8778

Protanopia

29.8329, 31.9517, 19.9242

Deuteranopia

32.4955, 31.8131, 23.8299



Tritanopia

26.3569, 32.3779, 46.4554

Trichromacy



Original Color

21.6092, 32.3667, 22.8778

Protanomaly

25.8187, 31.6137, 20.9609

Deuteranomaly

26.9652, 31.1363, 23.3276

Tritanomaly

24.4356, 32.4174, 36.4218

Monochromacy



Original Color

21.6092, 32.3667, 22.8778

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.8392, 27.7211, 25.9767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6092, 32.3667, 22.8778 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(84, 171, 120)` looks like.

```
.text, #text, p{  
    color:rgb(84, 171, 120)  
}
```

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(84, 171, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 171, 120) }
```

Border

The CSS property to change the border of an element to XYZ 21.6092, 32.3667, 22.8778 is called "border". The border property can be set on classes, ids or directly on the HTML element.

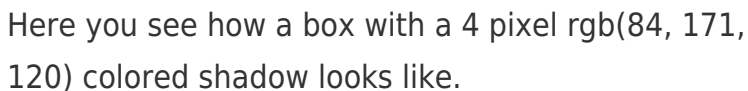
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(84, 171, 120) }
```


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

```
.border{ border-color:rgb(84, 171, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(84, 171, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(84, 171, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(84, 171, 120); box-shadow:4px 4px 4px 4px rgb(84, 171, 120) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6092, 32.3667, 22.8778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 171, 120) }
```

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

```
.background{ background-color: rgb(84, 171,  
120) }
```

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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