

Converting Colors

XYZ(21.7464, 32.1741, 24.8685)

Have a look what the booklet for
XYZ(21.7464, 32.1741, 24.8685)
contains.

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Color

**XYZ(21.7079, 32.0948,
24.7895)**

Conversions

Conversions Part 1

Format	Color
Hex	53AA7E
RGB	83, 170, 126
RGB Percent	33%, 67%, 49%
CMY	0.6745, 0.3333, 0.5059
CMYK	0.51, 0.00, 0.26, 0.33
HSL	150°, 34%, 50%
HSV	150°, 51%, 67%
XYZ	21.7079, 32.0948, 24.7895
YIQ	138.9710, -37.7280, -32.1280

Conversions

Conversions Part 2

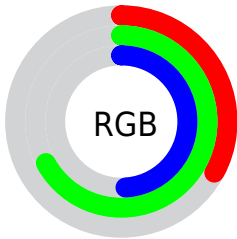
Format	Color
RYB	83, 141, 170
Decimal	5483134
CIELab	63.42, -36.70, 14.81
CIELCh	63, 39.577, 158.026
Yxy	32.0948, 0.2762, 0.4084
Android (android.graphics.Color)	4283673214 (0xFF53AA7E)
YUV	138.9710, -6.3947, -49.0866
Hunter-Lab	56.6523, -30.7442, 13.7129

Details

The XYZ color **21.7079, 32.0948, 24.7895** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **23.5026, 16.2656, 21.9806**, and the grayscale version is **24.5644, 25.8436, 28.1437**.

A 20% lighter version of the original color is **45.8143, 63.0507, 52.4032**, and **8.0317, 13.4290, 9.1899** is the 20% darker color. If you saturate the color by 10%, you get **19.8569, 31.2028, 21.9305**, and if you desaturate by 10%, it is **23.9761, 33.1981, 27.9184**.

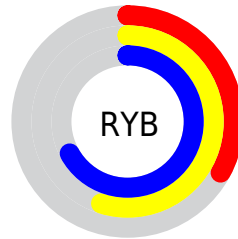
Distribution



Red (33%)

Green (67%)

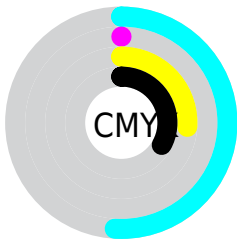
Blue (49%)



Red (33%)

Yellow (55%)

Blue (67%)

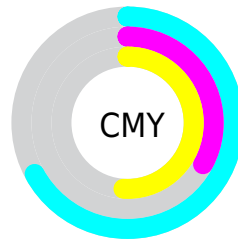


Cyan (51%)

Magenta (0%)

Yellow (26%)

Black (33%)



Cyan (67%)

Magenta (33%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7079, 32.0948, 24.7895 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 21.7079, 32.0948, 24.7895 by changing the saturation by 10% instead.

■ 21.7079, 32.0948,
24.7895

■ 21.7079, 32.0948,
24.7895

253.6782,
311.5509, 290.2021

■ 13.7578, 21.4339,
15.7027

■ 45.7452, 62.9597,
52.2754

■ 8.0330, 13.4416,
9.1620

■ 62.5631, 83.9325,
71.5116

■ 4.1681, 7.7333,
4.7487

■ 83.0677, 109.1113,
94.9680

■ 1.7976, 3.9248,
2.0444

■ 107.6244,
138.8807, 123.0631

■ 0.5162, 1.6316,
0.5824

136.5984,
173.6249, 156.2156

■ 0.0000, 0.3787,
0.0000

170.3551,

■ 0.0000, 0.0000,

213.7284, 194.8438

0.0000

209.2599,
259.5756, 239.3665

■ 21.7079, 32.0948,
24.7895

■ 21.7079, 32.0948,
24.7895

■ 19.8569, 31.2028,
21.9305

■ 23.9761, 33.1981,
27.9184

■ 18.3919, 30.5036,
19.3316

■ 26.6847, 34.5219,
31.3222

■ 17.2813, 29.9818,
16.9856

■ 29.8580, 36.0795,
35.0085

■ 16.4871, 29.6181,
14.8839

■ 33.5181, 37.8821,
38.9840

■ 15.9764, 29.3911,
13.2232

■ 37.6851, 39.9401,
43.2550

■ 42.3785, 42.2633,
47.8279

■ 47.6164, 44.8609,
52.7085

■ 53.4162, 47.7418,
57.9026

■ 59.7942, 50.9144,
63.4160

Harmonies

Analogous

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



24.4407, 32.0948, 16.0987



21.7079, 32.0948, 24.7895



21.1821, 32.0948, 39.3493

Triad

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



21.7079, 32.0948, 24.7895



32.0063, 32.0948, 74.3562



39.6216, 32.0948, 19.4061

Complementary

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



21.7079, 32.0948, 24.7895



23.5026, 16.2656, 21.9806

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.



42.2268, 32.0948, 30.8837



21.7079, 32.0948, 24.7895



37.4979, 32.0948, 64.6618

Square

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



21.7079, 32.0948, 24.7895



26.7149, 32.0948, 71.2498



41.4062, 32.0948, 47.5546



34.6379, 32.0948, 13.7048

Rectangle

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



21.7079, 32.0948, 24.7895



22.0863, 32.0948, 51.2042



41.4062, 32.0948, 47.5546



40.8302, 32.0948, 22.5544

Sweetspot

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



21.7088, 32.0961, 24.7902



57.9836, 67.3359, 67.7111



24.8317, 33.9607, 13.4303



12.6279, 14.8671, 14.7707



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.



21.7088, 32.0961, 24.7902



35.7508, 56.4796, 39.3308



25.0623, 33.4375, 42.4497



7.5855, 8.4672, 8.8035



11.7801, 21.6308, 9.8748



0.3125, 0.5366, 0.3766

Inverse Universe

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



23.5026, 16.2656, 21.9806



39.3613, 24.6105, 33.6705



21.2896, 15.3804, 10.3272



7.6835, 7.6032, 8.6503



13.4579, 6.7919, 7.2227



0.3532, 0.1756, 0.3115

Previews

White Background



This preview shows how the XYZ color 21.7079, 32.0948, 24.7895 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 21.7079, 32.0948, 24.7895 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 21.7079, 32.0948, 24.7895

Background



This preview shows how black text looks on a background with the XYZ color 21.7079, 32.0948, 24.7895.



This preview shows how white text looks on a background with the XYZ color 21.7079, 32.0948,

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

21.7079, 32.0948, 24.7895

Protanopia

29.6025, 31.5510, 21.6693

Deuteranopia

32.2096, 31.6201, 25.8784



Tritanopia

25.9628, 31.9101, 46.3859

Trichromacy



Original Color

21.7079, 32.0948, 24.7895

Protanomaly

25.6808, 31.2451, 22.7665

Deuteranomaly

26.8391, 30.7785, 25.2951

Tritanomaly

24.2214, 32.0164, 37.2509

Monochromacy



Original Color

21.7079, 32.0948, 24.7895

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.8172, 27.4559, 26.6512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7079, 32.0948, 24.7895 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(83, 170, 126)` looks like.

```
.text, #text, p{  
    color:rgb(83, 170, 126)  
}
```

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(83, 170, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 170, 126) }
```

Border

The CSS property to change the border of an element to XYZ 21.7079, 32.0948, 24.7895 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(83, 170, 126) }
```


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

```
.border{ border-color:rgb(83, 170, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 170, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 170, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 170, 126);  
box-shadow:4px 4px 4px 4px rgb(83, 170,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7079, 32.0948, 24.7895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 170, 126) }
```

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

```
.background{ background-color: rgb(83, 170,  
126) }
```

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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