

Converting Colors

XYZ(21.1946, 32.7502, 26.7377)

Have a look what the booklet for
XYZ(21.1946, 32.7502, 26.7377)
contains.

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Color

**XYZ(21.0902, 32.5826,
26.6502)**

Conversions

Conversions Part 1

Format	Color
Hex	3FAD83
RGB	63, 173, 131
RGB Percent	25%, 68%, 51%
CMY	0.7529, 0.3216, 0.4863
CMYK	0.64, 0.00, 0.24, 0.32
HSL	157°, 47%, 46%
HSV	157°, 64%, 68%
XYZ	21.0902, 32.5826, 26.6502
YIQ	135.3220, -52.0780, -36.3820

Conversions

Conversions Part 2

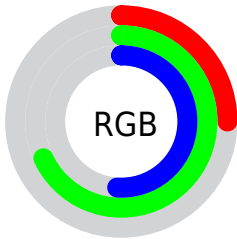
Format	Color
RYB	63, 131, 173
Decimal	4173187
CIELab	63.82, -41.35, 12.52
CIELCh	64, 43.208, 163.159
Yxy	32.5826, 0.2626, 0.4056
Android (android.graphics.Color)	4282363267 (0xFF3FAD83)
YUV	135.3220, -2.1307, -63.4264
Hunter-Lab	57.0812, -33.9403, 12.2754

Details

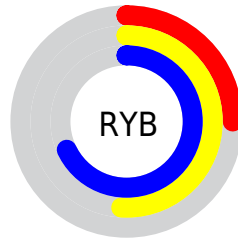
The XYZ color **21.0902, 32.5826, 26.6502** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **21.5620, 13.4600, 14.8275**, and the grayscale version is **23.1711, 24.3778, 26.5474**.

A 20% lighter version of the original color is **44.6971, 63.6369, 55.2748**, and **8.2395, 14.0421, 10.2588** is the 20% darker color. If you saturate the color by 10%, you get **19.7207, 31.9275, 24.3235**, and if you desaturate by 10%, it is **22.8372, 33.4306, 29.1451**.

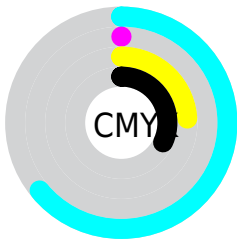
Distribution



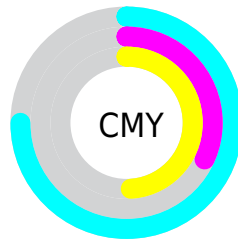
- Red (25%)
- Green (68%)
- Blue (51%)



- Red (25%)
- Yellow (51%)
- Blue (68%)



- Cyan (64%)
- Magenta (0%)
- Yellow (24%)
- Black (32%)



- Cyan (75%)
- Magenta (32%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0902, 32.5826, 26.6502 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 21.0902, 32.5826, 26.6502 by changing the saturation by 10% instead.

■ 21.0902, 32.5826,
26.6502

■ 21.0902, 32.5826,
26.6502

250.4801,
313.7647, 299.6658

■ 13.3028, 21.8069,
17.0806

■ 44.7277, 63.7233,
55.3189

■ 7.7158, 13.7151,
10.1294

■ 61.3086, 84.8571,
75.2551

■ 3.9639, 7.9228,
5.3781

■ 81.5513, 110.2124,
99.4839

■ 1.6817, 4.0456,
2.4082

■ 105.8212,
140.1735, 128.4239

■ 0.4448, 1.6991,
0.7909

■ 134.4837,
175.1249, 162.4935

■ 0.0000, 0.4231,
0.0000

167.9041,

■ 0.0000, 0.0000,

215.4510, 202.1113

0.0000

206.4478,
261.5361, 247.6959

■ 21.0902, 32.5826,
26.6502

■ 21.0902, 32.5826,
26.6502

■ 19.7207, 31.9275,
24.3235

■ 22.8372, 33.4306,
29.1451

■ 18.6917, 31.4439,
22.1583

■ 24.9888, 34.4831,
31.8099

■ 17.9629, 31.1119,
20.1506

■ 27.5730, 35.7551,
34.6493

■ 17.5951, 30.9487,
18.9410

■ 30.6140, 37.2592,
37.6670

■ 34.1345, 39.0069,
40.8664

■ 38.1554, 41.0090,
44.2511

■ 42.6965, 43.2756,
47.8243

■ 47.7765, 45.8164,
51.5893

■ 53.4131, 48.6404,
55.5490

Harmonies

Analogous

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



23.6539, 32.5826, 16.2585



21.0902, 32.5826, 26.6502



20.9404, 32.5826, 43.6408

Triad

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



21.0902, 32.5826, 26.6502



33.7017, 32.5826, 78.9747



40.2831, 32.5826, 17.1775

Complementary

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



21.0902, 32.5826, 26.6502



21.5620, 13.4600, 14.8275

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.



43.7757, 32.5826, 28.4005



21.0902, 32.5826, 26.6502



39.6549, 32.5826, 65.8595

Square

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



21.0902, 32.5826, 26.6502



27.7101, 32.5826, 78.0313



43.5319, 32.5826, 46.0646



34.4734, 32.5826, 12.1429

Rectangle

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



21.0902, 32.5826, 26.6502



22.1923, 32.5826, 57.0720



43.5319, 32.5826, 46.0646



41.7990, 32.5826, 20.1590

Sweetspot

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



21.0911, 32.5839, 26.6510



57.3990, 68.0029, 69.8527



21.6871, 33.2608, 9.9800



12.1059, 14.5959, 14.8399



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.



21.0911, 32.5839, 26.6510



34.5593, 56.8198, 42.0746



22.1935, 29.2746, 44.0175



8.1047, 9.0194, 9.5764



12.9542, 22.7470, 14.0645



0.3859, 0.6430, 0.5259

Inverse Universe

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



21.5620, 13.4600, 14.8275



35.5054, 19.8675, 19.4085



20.7047, 14.3899, 6.3893



8.1271, 8.0641, 8.9799



13.4104, 6.8267, 4.5405



0.4002, 0.2008, 0.2693

Previews

White Background



This preview shows how the XYZ color 21.0902, 32.5826, 26.6502 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 21.0902, 32.5826, 26.6502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

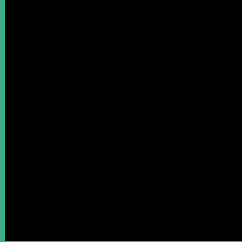
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.0902, 32.5826, 26.6502

Background



This preview shows how black text looks on a background with the XYZ color 21.0902, 32.5826, 26.6502.

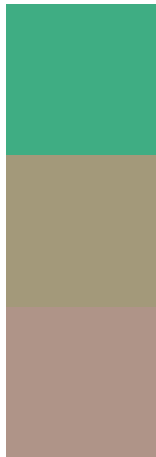


This preview shows how white text looks on a background with the XYZ color 21.0902, 32.5826,

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

21.0902, 32.5826, 26.6502

Protanopia

30.0083, 31.9741, 23.0024

Deuteranopia

32.7130, 32.0713, 27.7588



Tritanopia

25.4503, 32.6821, 48.1469

Trichromacy



Original Color

21.0902, 32.5826, 26.6502



Protanomaly

25.0249, 31.1343, 24.0926



Deuteranomaly

26.1916, 30.9035, 27.1388



Tritanomaly

23.5336, 32.4404, 39.2037

Monochromacy



Original Color

21.0902, 32.5826, 26.6502



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.3572, 26.4673, 26.5373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0902, 32.5826, 26.6502 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(63, 173, 131)` looks like.

```
.text, #text, p{  
    color:rgb(63, 173, 131)  
}
```

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(63, 173, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 173, 131) }
```

Border

The CSS property to change the border of an element to XYZ 21.0902, 32.5826, 26.6502 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(63, 173, 131) }
```


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

```
.border{ border-color:rgb(63, 173, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 173, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 173, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 173, 131);  
box-shadow:4px 4px 4px 4px rgb(63, 173,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0902, 32.5826, 26.6502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 173, 131) }
```

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

```
.background{ background-color: rgb(63, 173,  
131) }
```

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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