

Converting Colors

XYZ(32.2100, 32.5284, 45.0592)

Have a look what the booklet for
XYZ(32.2100, 32.5284, 45.0592)
contains.

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Color

**XYZ(32.2660, 32.6499,
45.1589)**

Conversions

Conversions Part 1

Format	Color
Hex	9999AF
RGB	153, 153, 175
RGB Percent	60%, 60%, 69%
CMY	0.4000, 0.4000, 0.3137
CMYK	0.13, 0.13, 0.00, 0.31
HSL	240°, 12%, 64%
HSV	240°, 13%, 69%
XYZ	32.2660, 32.6499, 45.1589
YIQ	155.5080, -7.0620, 6.8420

Conversions

Conversions Part 2

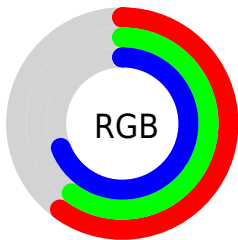
Format	Color
R_{YB}	153, 153, 175
Decimal	10066351
CIE Lab	63.88, 4.50, -11.43
CIE LCh	64, 12.287, 291.493
Yxy	32.6499, 0.2931, 0.2966
Android (android.graphics.Color)	4288256431 (0xFF9999AF)
YUV	155.5080, 9.6096, -2.1995
Hunter-Lab	57.1401, 0.8006, -6.8600

Details

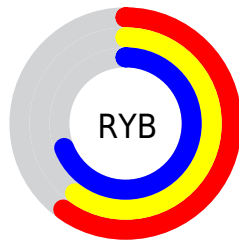
The XYZ color **32.2660, 32.6499, 45.1589** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.7592, 42.0738, 36.2160**, and the grayscale version is **31.3426, 32.9749, 35.9097**.

A 20% lighter version of the original color is **62.4688, 63.6606, 84.5966**, and **13.8060, 13.7576, 20.6667** is the 20% darker color. If you saturate the color by 10%, you get **26.5451, 25.7569, 44.1305**, and if you desaturate by 10%, it is **38.8933, 40.6354, 46.3515**.

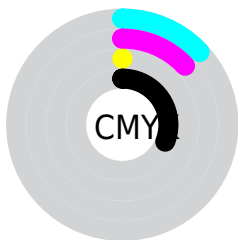
Distribution



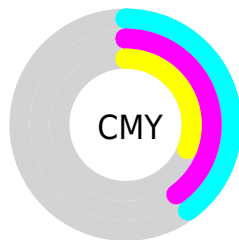
- Red (60%)
- Green (60%)
- Blue (69%)



- Red (60%)
- Yellow (60%)
- Blue (69%)



- Cyan (13%)
- Magenta (13%)
- Yellow (0%)
- Black (31%)



- Cyan (40%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2660, 32.6499, 45.1589 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 32.2660, 32.6499, 45.1589 by changing the saturation by 10% instead.

■ 32.2660, 32.6499,
45.1589

■ 32.2660, 32.6499,
45.1589

304.0530,
314.0692, 383.5956

■ 21.7213, 21.8584,
31.2387

■ 62.5902, 63.8285,
84.2798

■ 13.7677, 13.7529,
20.5207

■ 83.1005, 84.9845,
110.3176

■ 8.0399, 7.9490,
12.5863

107.6633,
110.3640, 141.2317

■ 4.1725, 4.0623,
7.0169

136.6440,
140.3515, 177.4406

■ 1.8002, 1.7085,
3.3941

170.4079,
175.3314, 219.3630

■ 0.5178, 0.4291,
1.2992

209.3205,

■ 0.0000, 0.0000,

215.6880, 267.4172

0.0611

253.7471,
261.8058, 322.0219

■ 0.0000, 0.0000,
0.0000

■ 32.2660, 32.6499,
45.1589

■ 32.2660, 32.6499,
45.1589

■ 26.5451, 25.7569,
44.1305

■ 38.8933, 40.6354,
46.3515

■ 21.6885, 19.9051,
43.2569

■ 46.4610, 49.7538,
47.7126

■ 17.6551, 15.0451,
42.5314

■ 55.0047, 60.0481,
49.2493

■ 14.3992, 11.1220,
41.9458

■ 64.5575, 71.5583,
50.9675

■ 11.8709, 8.0755,
41.4910

■ 75.1508, 84.3222,
52.8729

■ 10.0143, 5.8383,
41.1571

■ 84.7380, 95.8752,
54.5975

■ 8.7654, 4.3334,
40.9324

■ 8.0480, 3.4689,
40.8033

■ 7.7381, 3.0955,
40.7476

Harmonies

Analogous

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



30.5438, 32.6499, 45.8153



32.2660, 32.6499, 45.1589



33.7059, 32.6499, 41.8096

Triad

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



32.2660, 32.6499, 45.1589



33.1476, 32.6499, 28.6121



27.8615, 32.6499, 34.1611

Complementary

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



32.2660, 32.6499, 45.1589



38.7592, 42.0738, 36.2160

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.



28.5048, 32.6499, 29.9490



32.2660, 32.6499, 45.1589



31.5268, 32.6499, 26.9457

Square

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



32.2660, 32.6499, 45.1589



34.2279, 32.6499, 32.1767



29.8313, 32.6499, 27.4114



28.0429, 32.6499, 39.1515

Rectangle

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



32.2660, 32.6499, 45.1589



34.2911, 32.6499, 38.6569



29.8313, 32.6499, 27.4114



27.9876, 32.6499, 32.6146

Sweetspot

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



32.2670, 32.6513, 45.1596



67.7718, 70.5058, 82.6739



36.1694, 40.5136, 46.2830



14.8584, 15.4241, 18.3384



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



32.2670, 32.6513, 45.1596



54.8770, 54.9687, 80.3546



34.3641, 33.7320, 45.2577



7.5790, 7.7573, 10.0506



5.5415, 2.2168, 29.1803



0.1542, 0.0617, 0.8118

Inverse Universe

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



34.8210, 34.1972, 34.9039



60.3279, 58.2680, 58.4666



36.4660, 40.8920, 36.1088



8.0053, 8.0154, 8.3387



12.6607, 6.5268, 0.5928



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 32.2660, 32.6499, 45.1589 looks on a white background.

Color Contrast Check

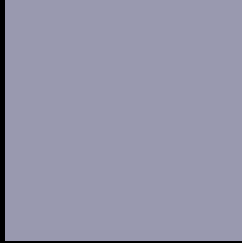
Large Text (above 18pt) WCAG AA × Fail

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 32.2660, 32.6499, 45.1589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

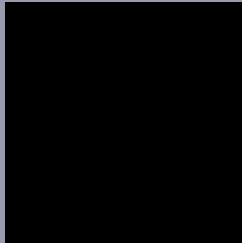
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.2660, 32.6499, 45.1589

Background



This preview shows how black text looks on a background with the XYZ color 32.2660, 32.6499, 45.1589.



This preview shows how white text looks on a background with the XYZ color 32.2660, 32.6499,

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

32.2660, 32.6499, 45.1589

Protanopia

32.0560, 32.7857, 45.1962

Deuteranopia

33.3017, 32.7019, 45.1144



Tritanopia

31.4795, 32.5766, 41.1880

Trichromacy



Original Color

32.2660, 32.6499, 45.1589

Protanomaly

32.2424, 32.8817, 45.2049

Deuteranomaly

32.8707, 32.7197, 45.1405

Tritanomaly

31.7602, 32.6889, 42.6659

Monochromacy



Original Color

32.2660, 32.6499, 45.1589

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.8498, 33.0556, 39.3520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2660, 32.6499, 45.1589 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(153, 153, 175)` looks like.

```
.text, #text, p{  
    color:rgb(153, 153, 175)  
}
```

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(153, 153, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 153, 175) }
```

Border

The CSS property to change the border of an element to XYZ 32.2660, 32.6499, 45.1589 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(153, 153, 175) }
```


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

```
.border{ border-color:rgb(153, 153, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 153, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 153, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 153, 175);  
box-shadow:4px 4px 4px 4px rgb(153, 153,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2660, 32.6499, 45.1589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 153, 175) }
```

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

```
.background{ background-color: rgb(153,  
153, 175) }
```

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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