

Converting Colors

XYZ(28.8214, 35.6116, 32.0040)

Have a look what the booklet for
XYZ(28.8214, 35.6116, 32.0040)
contains.

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Color

**XYZ(28.8456, 35.6191,
32.1429)**

Conversions

Conversions Part 1

Format	Color
Hex	83AA91
RGB	131, 170, 145
RGB Percent	51%, 67%, 57%
CMY	0.4863, 0.3333, 0.4314
CMYK	0.23, 0.00, 0.15, 0.33
HSL	142°, 19%, 59%
HSV	142°, 23%, 67%
XYZ	28.8456, 35.6191, 32.1429
YIQ	155.4890, -15.2190, -16.0430

Conversions

Conversions Part 2

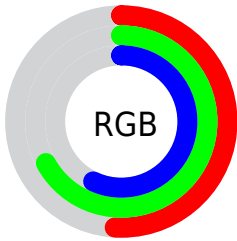
Format	Color
RYB	131, 160, 170
Decimal	8628881
CIELab	66.23, -18.42, 8.60
CIELCh	66, 20.331, 154.968
Yxy	35.6191, 0.2986, 0.3687
Android (android.graphics.Color)	4286818961 (0xFF83AA91)
YUV	155.4890, -5.1711, -21.4769
Hunter-Lab	59.6817, -18.1698, 9.8453

Details

The XYZ color **28.8456, 35.6191, 32.1429** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.6958, 27.1797, 35.0823**, and the grayscale version is **31.4003, 33.0356, 35.9758**.

A 20% lighter version of the original color is **57.2416, 68.2882, 64.1968**, and **11.9373, 15.5324, 13.1954** is the 20% darker color. If you saturate the color by 10%, you get **25.6252, 34.0524, 27.8143**, and if you desaturate by 10%, it is **32.5806, 37.4438, 36.9180**.

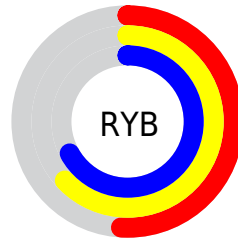
Distribution



Red (51%)

Green (67%)

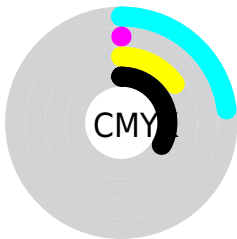
Blue (57%)



Red (51%)

Yellow (63%)

Blue (67%)

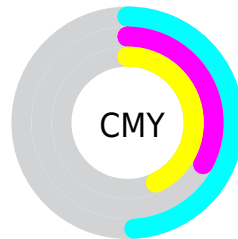


Cyan (23%)

Magenta (0%)

Yellow (15%)

Black (33%)



Cyan (49%)


Magenta (33%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8456, 35.6191, 32.1429 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 28.8456, 35.6191, 32.1429 by changing the saturation by 10% instead.


 28.8456, 35.6191,
32.1429


 28.8456, 35.6191,
32.1429


288.4931,
327.2926, 326.2825


 19.1077, 24.1402,
21.2049


 57.2309, 68.4438,
64.1356

 11.8526, 15.4376,
13.0812


 76.6091, 90.5583,
86.0273

 6.7149, 9.1271,
7.3531


 99.9315, 116.9867,
112.4075

 3.3292, 4.8242,
3.6021

127.5634,
148.1136, 143.6945

 1.3301, 2.1445,
1.4097

159.8701,
184.3232, 180.3070

 0.2056, 0.6895,
0.1493

197.2171,

 0.0000, 0.0000,

226.0000, 222.6634

0.0000

239.9696,
273.5283, 271.1824

■ 28.8456, 35.6191,
32.1429

■ 28.8456, 35.6191,
32.1429

■ 25.6252, 34.0524,
27.8143

■ 32.5806, 37.4438,
36.9180

■ 22.8932, 32.7275,
23.9168

■ 36.8491, 39.5329,
42.1494

■ 20.6255, 31.6330,
20.4379

■ 41.6726, 41.8983,
47.8500

■ 18.7944, 30.7552,
17.3632

■ 47.0704, 44.5498,
54.0309

■ 17.3694, 30.0786,
14.6777

■ 53.0611, 47.4966,
60.7033

■ 16.3158, 29.5855,
12.3655

■ 59.6621, 50.7476,
67.8778

■ 15.5924, 29.2552,
10.4091

■ 66.8904, 54.3113,
75.5647

■ 15.2184, 29.0880,
9.2308

■ 70.2072, 55.8476,
83.5609

■ 71.8056, 56.4869,
91.9780

Harmonies

Analogous

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



30.6244, 35.6191, 26.6538



28.8456, 35.6191, 32.1429



28.3760, 35.6191, 40.2463

Triad

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



28.8456, 35.6191, 32.1429



34.3620, 35.6191, 57.8941



38.8572, 35.6191, 29.9847

Complementary

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



28.8456, 35.6191, 32.1429



30.6958, 27.1797, 35.0823

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.



39.9971, 35.6191, 37.3559



28.8456, 35.6191, 32.1429



37.3050, 35.6191, 54.1263

Square

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



28.8456, 35.6191, 32.1429



31.4491, 35.6191, 55.9511



39.4129, 35.6191, 46.2802



36.3803, 35.6191, 25.5441

Rectangle

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



28.8456, 35.6191, 32.1429



28.8432, 35.6191, 46.2614



39.4129, 35.6191, 46.2802



39.4159, 35.6191, 32.1576

Sweetspot

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



28.8466, 35.6206, 32.1437



63.4945, 70.0788, 72.3980



32.2509, 37.4927, 27.0101



14.0603, 15.5793, 16.0236



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.



28.8466, 35.6206, 32.1437



48.9717, 62.9875, 53.8489



30.4503, 36.2621, 40.5890



7.5439, 8.4506, 8.5841



11.2189, 21.4063, 6.9196



0.2974, 0.5306, 0.2970

Inverse Universe

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



30.6958, 27.1797, 35.0823



52.9757, 44.7039, 60.2061



29.1995, 26.5812, 27.2027



7.7259, 7.6202, 8.8737



14.2516, 7.1093, 11.4023



0.3698, 0.1822, 0.3991

Previews

White Background



This preview shows how the XYZ color 28.8456, 35.6191, 32.1429 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 28.8456, 35.6191, 32.1429 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 28.8456, 35.6191, 32.1429

Background



This preview shows how black text looks on a background with the XYZ color 28.8456, 35.6191, 32.1429.



This preview shows how white text looks on a background with the XYZ color 28.8456, 35.6191,

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

28.8456, 35.6191, 32.1429

Protanopia

33.4529, 35.3599, 29.8729

Deuteranopia

36.1227, 35.4046, 32.9469



Tritanopia

31.8075, 35.4430, 47.2842

Trichromacy



Original Color

28.8456, 35.6191, 32.1429

Protanomaly

31.6755, 35.4725, 30.7686

Deuteranomaly

32.9415, 35.0347, 32.6299

Tritanomaly

30.6933, 35.5415, 41.3189

Monochromacy



Original Color

28.8456, 35.6191, 32.1429

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.0108, 33.4870, 34.1601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8456, 35.6191, 32.1429 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(131, 170, 145)` looks like.

```
.text, #text, p{  
    color:rgb(131, 170, 145)  
}
```

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(131, 170, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 170, 145) }
```

Border

The CSS property to change the border of an element to XYZ 28.8456, 35.6191, 32.1429 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(131, 170, 145) }
```


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

```
.border{ border-color:rgb(131, 170, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 170, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 170, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 170, 145);  
box-shadow:4px 4px 4px 4px rgb(131, 170,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8456, 35.6191, 32.1429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 170, 145) }
```

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

```
.background{ background-color: rgb(131,  
170, 145) }
```

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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