

Converting Colors

XYZ(13.6019, 17.2016, 31.0375)

Have a look what the booklet for
XYZ(13.6019, 17.2016, 31.0375)
contains.

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Color

**XYZ(13.6335, 17.2883,
31.0522)**

Conversions

Conversions Part 1

Format	Color
Hex	287D95
RGB	40, 125, 149
RGB Percent	16%, 49%, 58%
CMY	0.8431, 0.5098, 0.4157
CMYK	0.73, 0.16, 0.00, 0.42
HSL	193°, 58%, 37%
HSV	193°, 73%, 58%
XYZ	13.6335, 17.2883, 31.0522
YIQ	102.3210, -58.3640, -10.5560

Conversions

Conversions Part 2

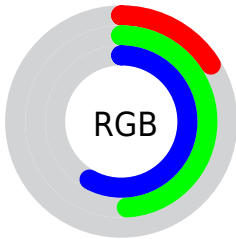
Format	Color
R_{YB}	40, 88, 149
Decimal	2653589
CIE _{Lab}	48.62, -16.81, -20.23
CIE _{LCh}	49, 26.300, 230.282
Yxy	17.2883, 0.2200, 0.2790
Android (android.graphics.Color)	4280843669 (0xFF287D95)
YUV	102.3210, 23.0127, -54.6555
Hunter-Lab	41.5792, -14.2348, -15.1735

Details

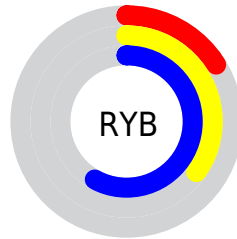
The XYZ color **13.6335, 17.2883, 31.0522** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.6114, 10.2103, 3.2087**, and the grayscale version is **12.6666, 13.3262, 14.5123**.

A 20% lighter version of the original color is **32.0667, 38.9193, 62.3220**, and **4.7890, 6.0507, 12.4708** is the 20% darker color. If you saturate the color by 10%, you get **12.7538, 16.2287, 30.8944**, and if you desaturate by 10%, it is **14.7514, 18.4917, 31.2259**.

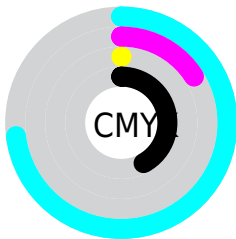
Distribution



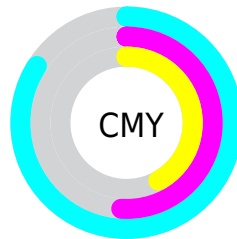
- Red (16%)
- Green (49%)
- Blue (58%)



- Red (16%)
- Yellow (35%)
- Blue (58%)



- Cyan (73%)
- Magenta (16%)
- Yellow (0%)
- Black (42%)



- Cyan (84%)
- Magenta (51%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6335, 17.2883, 31.0522 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 13.6335, 17.2883, 31.0522 by changing the saturation by 10% instead.

■ 13.6335, 17.2883,
31.0522

■ 13.6335, 17.2883,
31.0522

■ 208.4953,
236.8283, 321.1374

■ 7.9462, 10.4403,
20.3798

■ 32.0290, 38.8208,
62.4028

■ 4.1121, 5.6918,
12.4846

■ 45.4680, 54.2740,
83.9181

■ 1.7657, 2.6586,
6.9481

■ 62.2215, 73.3645,
109.8847

■ 0.4969, 0.9562,
3.3517

■ 82.6549, 96.4765,
140.7212

■ 0.0000, 0.0000,
1.2769

■ 107.1337,
123.9945, 176.8462

■ 0.0000, 0.0000,
0.0427

■ 136.0231,

■ 0.0000, 0.0000,

156.3029, 218.6782

0.0000

169.6885,
193.7860, 266.6358

■ 13.6335, 17.2883,
31.0522

■ 13.6335, 17.2883,
31.0522

■ 12.7538, 16.2287,
30.8944

■ 14.7514, 18.4917,
31.2259

■ 12.0831, 15.2967,
30.7498

■ 16.1289, 19.8492,
31.4153

■ 11.6926, 14.7053,
30.6563

■ 17.7869, 21.3721,
31.6219

■ 19.7435, 23.0698,
31.8464

■ 22.0153, 24.9511,
32.0898

■ 24.6177, 27.0242,
32.3528

■ 27.5650, 29.2965,
32.6361

■ 30.8707, 31.7753,
32.9403

■ 34.5474, 34.4671,
33.2661

Harmonies

Analogous

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



12.4413, 17.2883, 23.8332



13.6335, 17.2883, 31.0522



15.6587, 17.2883, 35.2573

Triad

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



13.6335, 17.2883, 31.0522



21.4600, 17.2883, 21.1651



14.8708, 17.2883, 8.8843

Complementary

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



13.6335, 17.2883, 31.0522



14.6114, 10.2103, 3.2087

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.



17.2303, 17.2883, 8.5048



13.6335, 17.2883, 31.0522



21.1961, 17.2883, 14.5710

Square

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



13.6335, 17.2883, 31.0522



20.2786, 17.2883, 28.6919



19.5894, 17.2883, 10.3194



13.1054, 17.2883, 11.5260

Rectangle

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



13.6335, 17.2883, 31.0522



17.2769, 17.2883, 35.2227



19.5894, 17.2883, 10.3194



15.6151, 17.2883, 8.5182

Sweetspot

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



13.6341, 17.2889, 31.0526



39.7344, 44.9336, 57.5001



12.5376, 22.3123, 8.4402



8.5749, 9.7703, 12.7187



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.6341, 17.2889, 31.0526



22.0047, 27.9318, 55.1529



8.5463, 7.1135, 29.3567



5.8569, 6.3478, 7.3863



9.8632, 12.4212, 25.8087



0.1422, 0.1950, 0.3231

Inverse Universe

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



16.8554, 9.3884, 20.3264



28.5302, 14.4746, 32.8532



19.2702, 19.5278, 4.7617



5.9812, 5.8876, 7.0072



13.1056, 6.4473, 14.5688



0.1713, 0.0833, 0.2355

Previews

White Background



This preview shows how the XYZ color 13.6335, 17.2883, 31.0522 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 13.6335, 17.2883, 31.0522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

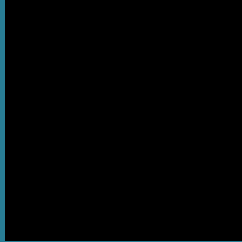
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6335, 17.2883, 31.0522

Background



This preview shows how black text looks on a background with the XYZ color 13.6335, 17.2883, 31.0522.

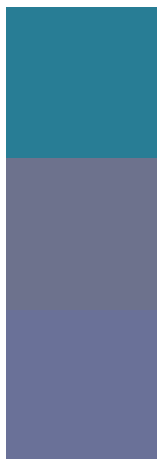


This preview shows how white text looks on a background with the XYZ color 13.6335, 17.2883,

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

13.6335, 17.2883, 31.0522

Protanopia

17.1317, 17.2089, 27.6180

Deuteranopia

17.5165, 17.1414, 32.0912



Tritanopia

12.6698, 17.2762, 26.3338

Trichromacy



Original Color

13.6335, 17.2883, 31.0522

Protanomaly

15.1686, 16.8553, 28.8395

Deuteranomaly

15.4269, 16.7508, 31.6983

Tritanomaly

12.9283, 17.1849, 27.8349

Monochromacy



Original Color

13.6335, 17.2883, 31.0522

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.1302, 14.1460, 19.5439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6335, 17.2883, 31.0522 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(40, 125, 149)` looks like.

```
.text, #text, p{  
    color:rgb(40, 125, 149)  
}
```

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(40, 125, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 125, 149) }
```

Border

The CSS property to change the border of an element to XYZ 13.6335, 17.2883, 31.0522 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(40, 125, 149) }
```


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

```
.border{ border-color:rgb(40, 125, 149) }
```

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

Here you see how a box with a 4 pixel rgb(40, 125, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 125, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 125, 149);  
box-shadow:4px 4px 4px 4px rgb(40, 125,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6335, 17.2883, 31.0522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 125, 149) }
```

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

```
.background{ background-color: rgb(40, 125,  
149) }
```

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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