

Converting Colors

XYZ(13.5219, 16.9685, 30.8192)

Have a look what the booklet for
XYZ(13.5219, 16.9685, 30.8192)
contains.

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Color

**XYZ(13.6287, 17.0988,
31.0159)**

Conversions

Conversions Part 1

Format	Color
Hex	2B7C95
RGB	43, 124, 149
RGB Percent	17%, 49%, 58%
CMY	0.8313, 0.5137, 0.4157
CMYK	0.71, 0.17, 0.00, 0.42
HSL	194°, 55%, 38%
HSV	194°, 71%, 58%
XYZ	13.6287, 17.0988, 31.0159
YIQ	102.6310, -56.3010, -9.3970

Conversions

Conversions Part 2

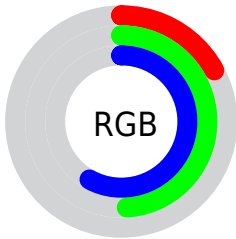
Format	Color
R_{YB}	43, 89, 149
Decimal	2849941
CIE _{Lab}	48.38, -15.82, -20.59
CIE _{LCh}	48, 25.961, 232.468
Yxy	17.0988, 0.2207, 0.2769
Android (android.graphics.Color)	4281040021 (0xFF2B7C95)
YUV	102.6310, 22.8599, -52.2964
Hunter-Lab	41.3507, -13.5322, -15.5261

Details

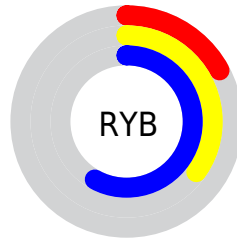
The XYZ color **13.6287, 17.0988, 31.0159** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.8982, 10.6990, 3.5660**, and the grayscale version is **12.7478, 13.4116, 14.6053**.

A 20% lighter version of the original color is **32.0952, 38.6396, 62.2665**, and **4.7207, 5.9140, 12.4480** is the 20% darker color. If you saturate the color by 10%, you get **12.6819, 15.9688, 30.8480**, and if you desaturate by 10%, it is **14.8205, 18.3790, 31.2005**.

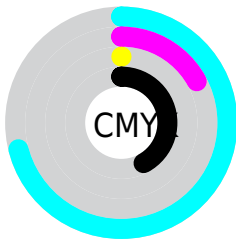
Distribution



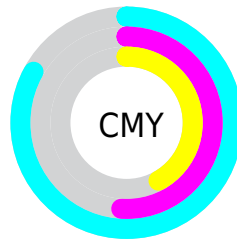
- Red (17%)
- Green (49%)
- Blue (58%)



- Red (17%)
- Yellow (35%)
- Blue (58%)



- Cyan (71%)
- Magenta (17%)
- Yellow (0%)
- Black (42%)



- Cyan (83%)
- Magenta (51%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6287, 17.0988, 31.0159 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 13.6287, 17.0988, 31.0159 by changing the saturation by 10% instead.

■ 13.6287, 17.0988,
31.0159

■ 13.6287, 17.0988,
31.0159

■ 208.4657,
235.7411, 320.9650

■ 7.9428, 10.3050,
20.3524

■ 32.0205, 38.4956,
62.3450

■ 4.1099, 5.6016,
12.4648

■ 45.4572, 53.8673,
83.8476

■ 1.7645, 2.6044,
6.9347

■ 62.2083, 72.8671,
109.8004

■ 0.4961, 0.9289,
3.3435

■ 82.6390, 95.8794,
140.6218

■ 0.0000, 0.0000,
1.2726

■ 107.1147,
123.2885, 176.7305

■ 0.0000, 0.0000,
0.0392

■ 136.0009,

■ 0.0000, 0.0000,

155.4789, 218.5449

0.0000

169.6627,
192.8350, 266.4835

■ 13.6287, 17.0988,
31.0159

■ 13.6287, 17.0988,
31.0159

■ 12.6819, 15.9688,
30.8480

■ 14.8205, 18.3790,
31.2005

■ 11.9521, 14.9735,
30.6944

■ 16.2782, 19.8196,
31.4017

■ 11.4263, 14.1727,
30.5675

■ 18.0222, 21.4314,
31.6209

■ 20.0702, 23.2241,
31.8590

■ 22.4388, 25.2062,
32.1168

■ 25.1430, 27.3857,
32.3949

■ 28.1970, 29.7703,
32.6942

■ 31.6142, 32.3670,
33.0153

■ 35.4071, 35.1824,
33.3589

Harmonies

Analogous

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



12.3910, 17.0988, 24.0690



13.6287, 17.0988, 31.0159



15.6613, 17.0988, 34.8014

Triad

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



13.6287, 17.0988, 31.0159



21.2057, 17.0988, 20.3829



14.5704, 17.0988, 8.9678

Complementary

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



13.6287, 17.0988, 31.0159



14.8982, 10.6990, 3.5660

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.



16.8571, 17.0988, 8.4386



13.6287, 17.0988, 31.0159



20.8414, 17.0988, 14.0587

Square

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



13.6287, 17.0988, 31.0159



20.1437, 17.0988, 27.7628



19.1918, 17.0988, 10.0616



12.8967, 17.0988, 11.7401

Rectangle

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



13.6287, 17.0988, 31.0159



17.2566, 17.0988, 34.5058



19.1918, 17.0988, 10.0616



15.2870, 17.0988, 8.5543

Sweetspot

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



13.6293, 17.0994, 31.0163



40.0536, 45.0330, 57.5024



12.7795, 22.4231, 9.0816



8.6331, 9.7791, 12.7174



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.



13.6293, 17.0994, 31.0163



21.9365, 27.5737, 55.0873



8.6919, 7.2247, 29.3705



5.8494, 6.3328, 7.3838



9.6401, 11.9750, 25.7344



0.1405, 0.1916, 0.3225

Inverse Universe

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



16.8969, 9.5731, 20.0266



28.5500, 14.6899, 32.3182



19.6360, 20.1747, 5.1452



5.9774, 5.8860, 6.9872



12.9930, 6.4022, 13.9758



0.1704, 0.0829, 0.2308

Previews

White Background



This preview shows how the XYZ color 13.6287, 17.0988, 31.0159 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 13.6287, 17.0988, 31.0159 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 13.6287, 17.0988, 31.0159

Background



This preview shows how black text looks on a background with the XYZ color 13.6287, 17.0988, 31.0159.

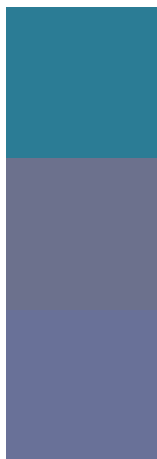


This preview shows how white text looks on a background with the XYZ color 13.6287, 17.0988,

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

13.6287, 17.0988, 31.0159

Protanopia

16.8972, 16.9215, 27.5749

Deuteranopia

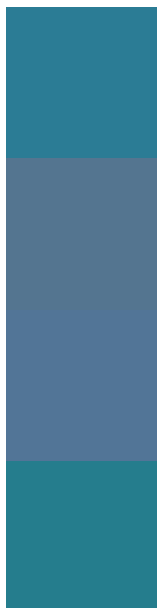
17.3983, 17.0805, 32.0856



Tritanopia

12.5645, 17.0394, 25.9193

Trichromacy



Original Color

13.6287, 17.0988, 31.0159

Protanomaly

15.0515, 16.6210, 28.8004

Deuteranomaly

15.4269, 16.7508, 31.6983

Tritanomaly

12.9043, 16.9836, 27.7973

Monochromacy



Original Color

13.6287, 17.0988, 31.0159

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.4679, 14.4743, 19.9060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6287, 17.0988, 31.0159 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(43, 124, 149)` looks like.

```
.text, #text, p{  
    color:rgb(43, 124, 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(43, 124, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 124, 149) }
```

Border

The CSS property to change the border of an element to XYZ 13.6287, 17.0988, 31.0159 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(43, 124, 149) }
```


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

```
.border{ border-color:rgb(43, 124, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 124, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 124, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 124, 149);  
box-shadow:4px 4px 4px 4px rgb(43, 124,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6287, 17.0988, 31.0159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 124, 149) }
```

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

```
.background{ background-color: rgb(43, 124,  
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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