

Converting Colors

XYZ(13.6406, 17.5772, 29.3979)

Have a look what the booklet for
XYZ(13.6406, 17.5772, 29.3979)
contains.

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Color

**XYZ(13.6104, 17.5015,
29.4488)**

Conversions

Conversions Part 1

Format	Color
Hex	2C7E91
RGB	44, 126, 145
RGB Percent	17%, 49%, 57%
CMY	0.8274, 0.5059, 0.4314
CMYK	0.70, 0.13, 0.00, 0.43
HSL	191°, 53%, 37%
HSV	191°, 70%, 57%
XYZ	13.6104, 17.5015, 29.4488
YIQ	103.6480, -54.9710, -11.4750

Conversions

Conversions Part 2

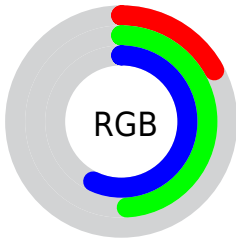
Format	Color
R_{YB}	44, 89, 145
Decimal	2915985
CIE _{Lab}	48.89, -18.09, -17.47
CIE _{LCh}	49, 25.150, 223.991
Yxy	17.5015, 0.2247, 0.2890
Android (android.graphics.Color)	4281106065 (0xFF2C7E91)
YUV	103.6480, 20.3865, -52.3113
Hunter-Lab	41.8348, -15.1383, -12.4517

Details

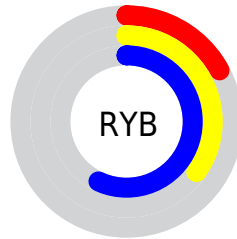
The XYZ color **13.6104, 17.5015, 29.4488** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.9097, 9.7573, 3.5338**, and the grayscale version is **13.0227, 13.7009, 14.9203**.

A 20% lighter version of the original color is **32.0224, 39.2473, 59.9206**, and **4.7194, 6.1340, 11.7617** is the 20% darker color. If you saturate the color by 10%, you get **12.7490, 16.5470, 29.3103**, and if you desaturate by 10%, it is **14.7001, 18.5885, 29.6015**.

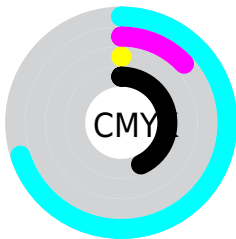
Distribution



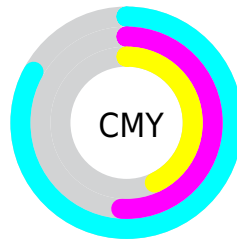
- Red (17%)
- Green (49%)
- Blue (57%)



- Red (17%)
- Yellow (35%)
- Blue (57%)



- Cyan (70%)
- Magenta (13%)
- Yellow (0%)
- Black (43%)



- Cyan (83%)
- Magenta (51%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6104, 17.5015, 29.4488 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 13.6104, 17.5015, 29.4488 by changing the saturation by 10% instead.

■ 13.6104, 17.5015,
29.4488

■ 13.6104, 17.5015,
29.4488

■ 208.3529,
238.0460, 313.4536

■ 7.9301, 10.5927,
19.1721

■ 31.9882, 39.1860,
59.8401

■ 4.1017, 5.7937,
11.6166

■ 45.4164, 54.7306,
80.7917

■ 1.7598, 2.7200,
6.3638

■ 62.1579, 73.9224,
106.1387

■ 0.4933, 0.9874,
2.9952

■ 82.5781, 97.1461,
136.2997

■ 0.0000, 0.0000,
1.0922

■ 107.0424,
124.7859, 171.6931

■ 0.0000, 0.0000,
0.0000

■ 135.9160,

157.2262, 212.7375

169.5644,
194.8514, 259.8515

■ 13.6104, 17.5015,
29.4488

■ 13.6104, 17.5015,
29.4488

■ 12.7490, 16.5470,
29.3103

■ 14.7001, 18.5885,
29.6015

■ 12.0904, 15.7107,
29.1836

■ 16.0369, 19.8168,
29.7681

■ 11.5743, 14.9618,
29.0662

■ 17.6396, 21.1965,
29.9500

■ 11.5568, 14.9361,
29.0622

■ 19.5244, 22.7361,
30.1478

■ 21.7066, 24.4435,
30.3624

■ 24.1999, 26.3260,
30.5943

■ 27.0176, 28.3904,
30.8443

■ 30.1718, 30.6432,
31.1129

■ 33.6743, 33.0905,
31.4006

Harmonies

Analogous

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



12.6491, 17.5015, 22.3353



13.6104, 17.5015, 29.4488



15.4274, 17.5015, 34.2717

Triad

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



13.6104, 17.5015, 29.4488



21.3318, 17.5015, 22.8251



15.5731, 17.5015, 9.1079

Complementary

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



13.6104, 17.5015, 29.4488



13.9097, 9.7573, 3.5338

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.



17.9033, 17.5015, 9.1797



13.6104, 17.5015, 29.4488



21.3801, 17.5015, 16.1148

Square

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



13.6104, 17.5015, 29.4488



19.9502, 17.5015, 29.8789



20.0767, 17.5015, 11.4510



13.7084, 17.5015, 11.2245

Rectangle

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



13.6104, 17.5015, 29.4488



16.9489, 17.5015, 34.9674



20.0767, 17.5015, 11.4510



16.3243, 17.5015, 8.8955

Sweetspot

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



13.6110, 17.5021, 29.4492



38.1343, 43.2052, 54.3031



12.0484, 21.1402, 8.0784



8.2661, 9.4427, 12.0592



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.6110, 17.5021, 29.4492



22.0716, 28.6956, 52.3491



8.7335, 7.7472, 27.8234



5.4752, 5.9462, 6.8879



9.9301, 12.8462, 24.9333



0.1093, 0.1516, 0.2432

Inverse Universe

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



16.3441, 9.3281, 20.6783



27.6288, 14.2179, 34.0352



18.0392, 18.0163, 4.9103



5.5833, 5.4939, 6.5699



12.8154, 6.2832, 15.2110



0.1298, 0.0630, 0.1837

Previews

White Background



This preview shows how the XYZ color 13.6104, 17.5015, 29.4488 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 13.6104, 17.5015, 29.4488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

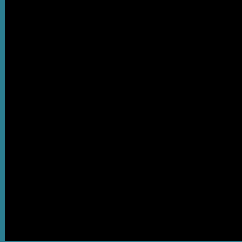
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.6104, 17.5015, 29.4488

Background



This preview shows how black text looks on a background with the XYZ color 13.6104, 17.5015, 29.4488.

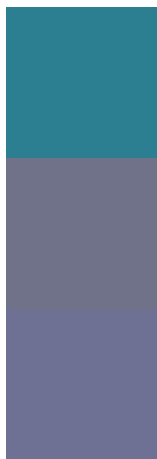


This preview shows how white text looks on a background with the XYZ color 13.6104, 17.5015,

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

13.6104, 17.5015, 29.4488

Protanopia

17.0882, 17.2203, 26.0901

Deuteranopia

17.6808, 17.2634, 30.4173



Tritanopia

13.0135, 17.4451, 26.7261

Trichromacy



Original Color

13.6104, 17.5015, 29.4488

Protanomaly

15.1425, 16.8766, 27.2703

Deuteranomaly

15.5826, 17.0419, 30.0719

Tritanomaly

13.3115, 17.5732, 27.8897

Monochromacy



Original Color

13.6104, 17.5015, 29.4488

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.6036, 14.7141, 19.6286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6104, 17.5015, 29.4488 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(44, 126, 145)` looks like.

```
.text, #text, p{  
    color:rgb(44, 126, 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(44, 126, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 126, 145) }
```

Border

The CSS property to change the border of an element to XYZ 13.6104, 17.5015, 29.4488 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(44, 126, 145) }
```


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

```
.border{ border-color:rgb(44, 126, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 126, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 126, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 126, 145);  
box-shadow:4px 4px 4px 4px rgb(44, 126,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6104, 17.5015, 29.4488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 126, 145) }
```

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

```
.background{ background-color: rgb(44, 126,  
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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