

Converting Colors

XYZ(13.6597, 17.3896, 29.9400)

Have a look what the booklet for
XYZ(13.6597, 17.3896, 29.9400)
contains.

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Color

**XYZ(13.6041, 17.3004,
29.8164)**

Conversions

Conversions Part 1

Format	Color
Hex	2D7D92
RGB	45, 125, 146
RGB Percent	18%, 49%, 57%
CMY	0.8235, 0.5098, 0.4274
CMYK	0.69, 0.14, 0.00, 0.43
HSL	192°, 53%, 37%
HSV	192°, 69%, 57%
XYZ	13.6041, 17.3004, 29.8164
YIQ	103.4740, -54.4210, -10.4290

Conversions

Conversions Part 2

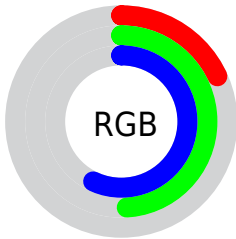
Format	Color
RYB	45, 90, 146
Decimal	2981266
CIELab	48.64, -17.06, -18.43
CIElCh	49, 25.116, 227.218
Yxy	17.3004, 0.2240, 0.2849
Android (android.graphics.Color)	4281171346 (0xFF2D7D92)
YUV	103.4740, 20.9653, -51.2817
Hunter-Lab	41.5937, -14.4069, -13.3863

Details

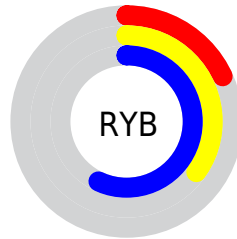
The XYZ color **13.6041, 17.3004, 29.8164** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.2765, 10.1977, 3.6992**, and the grayscale version is **12.9749, 13.6506, 14.8655**.

A 20% lighter version of the original color is **32.0546, 38.9540, 60.4730**, and **4.6500, 5.9951, 11.7386** is the 20% darker color. If you saturate the color by 10%, you get **12.6911, 16.2682, 29.6656**, and if you desaturate by 10%, it is **14.7522, 18.4719, 29.9823**.

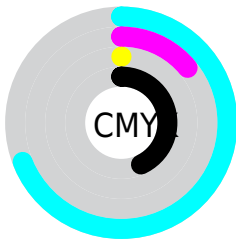
Distribution



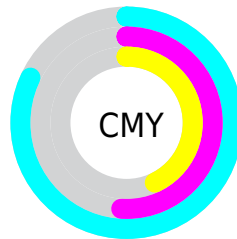
- Red (18%)
- Green (49%)
- Blue (57%)



- Red (18%)
- Yellow (35%)
- Blue (57%)



- Cyan (69%)
- Magenta (14%)
- Yellow (0%)
- Black (43%)



- Cyan (82%)
- Magenta (51%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6041, 17.3004, 29.8164 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 13.6041, 17.3004, 29.8164 by changing the saturation by 10% instead.

■ 13.6041, 17.3004,
29.8164

■ 13.6041, 17.3004,
29.8164

■ 208.3141,
236.8976, 315.2283

■ 7.9257, 10.4489,
19.4484

■ 31.9771, 38.8415,
60.4293

■ 4.0988, 5.6976,
11.8146

■ 45.4023, 54.3000,
81.5112

■ 1.7582, 2.6621,
6.4966

■ 62.1406, 73.3962,
107.0016

■ 0.4923, 0.9580,
3.0757

■ 82.5572, 96.5146,
137.3189

■ 0.0000, 0.0000,
1.1334

■ 107.0174,
124.0395, 172.8817

■ 0.0000, 0.0000,
0.0000

■ 135.8868,

156.3554, 214.1085

169.5306,
193.8466, 261.4179

■ 13.6041, 17.3004,
29.8164

■ 13.6041, 17.3004,
29.8164

■ 12.6911, 16.2682,
29.6656

■ 14.7522, 18.4719,
29.9823

■ 11.9873, 15.3609,
29.5276

■ 16.1545, 19.7916,
30.1632

■ 11.4367, 14.5496,
29.4000

■ 17.8298, 21.2699,
30.3602

■ 11.3928, 14.4841,
29.3897

■ 19.7949, 22.9154,
30.5743

■ 22.0649, 24.7362,
30.8061

■ 24.6542, 26.7397,
31.0563

■ 27.5758, 28.9330,
31.3256

■ 30.8424, 31.3224,
31.6147

■ 34.4658, 33.9144,
31.9240

Harmonies

Analogous

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



12.5509, 17.3004, 22.8643



13.6041, 17.3004, 29.8164



15.4791, 17.3004, 34.1879

Triad

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



13.6041, 17.3004, 29.8164



21.1729, 17.3004, 21.7980



15.1620, 17.3004, 9.1026

Complementary

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



13.6041, 17.3004, 29.8164



14.2765, 10.1977, 3.6992

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.



17.4472, 17.3004, 8.9464



13.6041, 17.3004, 29.8164



21.0677, 17.3004, 15.3131

Square

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



13.6041, 17.3004, 29.8164



19.9282, 17.3004, 28.8798



19.6528, 17.3004, 10.9504



13.3908, 17.3004, 11.4431

Rectangle

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



13.6041, 17.3004, 29.8164



17.0086, 17.3004, 34.5084



19.6528, 17.3004, 10.9504



15.8911, 17.3004, 8.8163

Sweetspot

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



13.6047, 17.3010, 29.8168



37.9749, 42.8863, 54.2500



12.3216, 21.5001, 8.5328



8.2268, 9.3642, 12.0461



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.



13.6047, 17.3010, 29.8168



21.6620, 27.7917, 52.1962



8.8076, 7.7070, 28.2178



5.8628, 6.3596, 7.3883



10.0417, 12.7783, 25.8682



0.1436, 0.1977, 0.3235

Inverse Universe

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



16.4946, 9.4690, 20.3609



27.4427, 14.2226, 32.8112



18.5391, 18.7229, 5.1200



5.9842, 5.8887, 7.0229



13.1957, 6.4833, 15.0434



0.1719, 0.0835, 0.2391

Previews

White Background



This preview shows how the XYZ color 13.6041, 17.3004, 29.8164 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 13.6041, 17.3004, 29.8164 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 13.6041, 17.3004, 29.8164

Background



This preview shows how black text looks on a background with the XYZ color 13.6041, 17.3004, 29.8164.

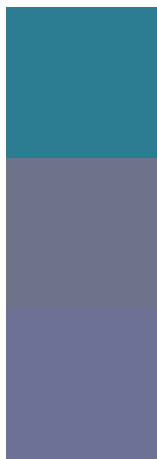


This preview shows how white text looks on a background with the XYZ color 13.6041, 17.3004,

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

13.6041, 17.3004, 29.8164

Protanopia

17.0352, 17.1846, 26.4639

Deuteranopia

17.5143, 17.1683, 30.8245



Tritanopia

12.9414, 17.4162, 26.3465

Trichromacy



Original Color

13.6041, 17.3004, 29.8164

Protanomaly

15.1239, 16.8584, 27.6562

Deuteranomaly

15.4529, 16.7920, 30.4437

Tritanomaly

13.1089, 17.2866, 27.4567

Monochromacy



Original Color

13.6041, 17.3004, 29.8164

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.4939, 14.4946, 19.5920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6041, 17.3004, 29.8164 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(45, 125, 146)` looks like.

```
.text, #text, p{  
    color:rgb(45, 125, 146)  
}
```

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(45, 125, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 125, 146) }
```

Border

The CSS property to change the border of an element to XYZ 13.6041, 17.3004, 29.8164 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(45, 125, 146) }
```


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

```
.border{ border-color:rgb(45, 125, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 125, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 125, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 125, 146);  
box-shadow:4px 4px 4px 4px rgb(45, 125,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6041, 17.3004, 29.8164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 125, 146) }
```

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

```
.background{ background-color: rgb(45, 125,  
146) }
```

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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