

Converting Colors

XYZ(12.6254, 18.1373, 20.4084)

Have a look what the booklet for
XYZ(12.6254, 18.1373, 20.4084)
contains.

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Color

**XYZ(12.6184, 18.1688,
20.2946)**

Conversions

Conversions Part 1

Format	Color
Hex	2F8377
RGB	47, 131, 119
RGB Percent	18%, 51%, 47%
CMY	0.8157, 0.4863, 0.5333
CMYK	0.64, 0.00, 0.09, 0.49
HSL	171°, 47%, 35%
HSV	171°, 64%, 51%
XYZ	12.6184, 18.1688, 20.2946
YIQ	104.5160, -46.2120, -21.5400

Conversions

Conversions Part 2

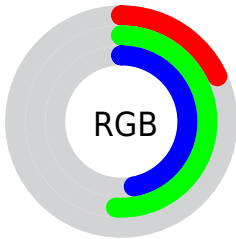
Format	Color
RYB	47, 92, 131
Decimal	3113847
CIELab	49.70, -28.12, -0.97
CIELCh	50, 28.138, 181.973
Yxy	18.1688, 0.2470, 0.3557
Android (android.graphics.Color)	4281303927 (0xFF2F8377)
YUV	104.5160, 7.1406, -50.4415
Hunter-Lab	42.6249, -21.7515, 1.6082

Details

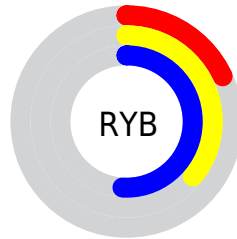
The XYZ color **12.6184, 18.1688, 20.2946** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.1667, 7.1747, 4.9349**, and the grayscale version is **13.2875, 13.9795, 15.2236**.

A 20% lighter version of the original color is **30.0847, 40.1048, 44.6835**, and **4.0798, 6.3398, 6.9699** is the 20% darker color. If you saturate the color by 10%, you get **11.9916, 17.8590, 19.6846**, and if you desaturate by 10%, it is **13.4298, 18.5744, 20.9256**.

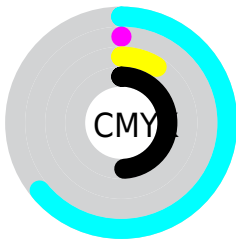
Distribution



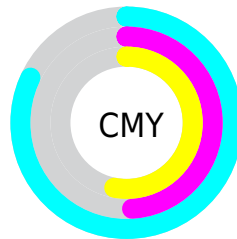
- Red (18%)
- Green (51%)
- Blue (47%)



- Red (18%)
- Yellow (36%)
- Blue (51%)



- Cyan (64%)
- Magenta (0%)
- Yellow (9%)
- Black (49%)



- Cyan (82%)
- Magenta (49%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6184, 18.1688, 20.2946 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 12.6184, 18.1688, 20.2946 by changing the saturation by 10% instead.

■ 12.6184, 18.1688,
20.2946

■ 12.6184, 18.1688,
20.2946

202.1448,
241.8208, 266.1623

■ 7.2415, 11.0712,
12.4232

■ 30.2237, 40.3247,
44.7760

■ 3.6612, 6.1148,
6.9065

■ 43.1828, 56.1519,
62.2230

■ 1.5123, 2.9150,
3.3262

■ 59.3999, 75.6578,
83.6991

■ 0.3342, 1.0875,
1.2635

■ 79.2406, 99.2267,
109.6226

■ 0.0000, 0.0000,
0.0316

■ 103.0700,
127.2430, 140.4121

■ 0.0000, 0.0000,
0.0000

■ 131.2536,

160.0912, 176.4862

164.1568,
198.1557, 218.2634

■ 12.6184, 18.1688,
20.2946

■ 12.6184, 18.1688,
20.2946

■ 11.9916, 17.8590,
19.6846

■ 13.4298, 18.5744,
20.9256

■ 11.5311, 17.6342,
19.0934

■ 14.4390, 19.0813,
21.5771

■ 11.2154, 17.4838,
18.5205

■ 15.6597, 19.6970,
22.2502

■ 11.0571, 17.4093,
18.1901

■ 17.1041, 20.4277,
22.9455

■ 18.7833, 21.2792,
23.6636

■ 20.7076, 22.2568,
24.4051

■ 22.8870, 23.3656,
25.1704

■ 25.3306, 24.6104,
25.9601

■ 28.0473, 25.9957,
26.7747

Harmonies

Analogous

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



13.1120, 18.1688, 13.6327



12.6184, 18.1688, 20.2946



13.2600, 18.1688, 28.6607

Triad

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



12.6184, 18.1688, 20.2946



20.1405, 18.1688, 35.1086



19.8023, 18.1688, 9.4144

Complementary

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



12.6184, 18.1688, 20.2946



11.1667, 7.1747, 4.9349

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.



22.0139, 18.1688, 12.9583



12.6184, 18.1688, 20.2946



22.2229, 18.1688, 27.5498

Square

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



12.6184, 18.1688, 20.2946



17.4467, 18.1688, 38.4762



22.9411, 18.1688, 19.2795



17.0923, 18.1688, 8.4043

Rectangle

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



12.6184, 18.1688, 20.2946



14.2880, 18.1688, 33.8157



22.9411, 18.1688, 19.2795



20.6380, 18.1688, 10.2942

Sweetspot

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



12.6189, 18.1695, 20.2950



31.9826, 37.2666, 41.6860



10.4695, 17.3868, 5.4941



7.2766, 8.5905, 9.6315



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.6189, 18.1695, 20.2950



21.0545, 31.7751, 34.7525



9.9819, 11.6681, 23.1995



4.7738, 5.2677, 5.8199



10.8844, 17.1366, 17.9087



0.0397, 0.0601, 0.0723

Inverse Universe

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



11.1667, 7.1747, 4.9349



18.2632, 10.4180, 5.0635



12.4859, 10.2555, 4.0113



4.6977, 4.6988, 5.0204



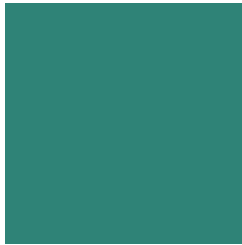
9.3276, 4.7954, 1.0315



0.0339, 0.0173, 0.0120

Previews

White Background



This preview shows how the XYZ color 12.6184, 18.1688, 20.2946 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 12.6184, 18.1688, 20.2946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

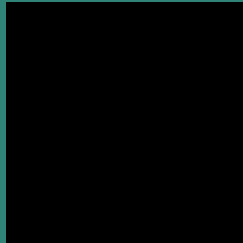
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.6184, 18.1688, 20.2946

Background



This preview shows how black text looks on a background with the XYZ color 12.6184, 18.1688, 20.2946.

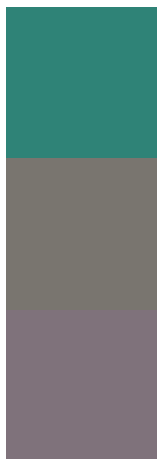


This preview shows how white text looks on a background with the XYZ color 12.6184, 18.1688,

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

12.6184, 18.1688, 20.2946

Protanopia

17.1157, 17.9352, 17.5987

Deuteranopia

18.3449, 17.9767, 21.2419



Tritanopia

14.0103, 18.1432, 27.1897

Trichromacy



Original Color

12.6184, 18.1688, 20.2946

Protanomaly

14.6129, 17.5137, 18.5299

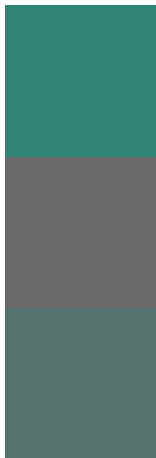
Deuteranomaly

15.2663, 17.4348, 20.9730

Tritanomaly

13.4833, 18.1233, 24.6173

Monochromacy



Original Color

12.6184, 18.1688, 20.2946

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.4879, 15.0452, 16.9977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6184, 18.1688, 20.2946 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(47, 131, 119)` looks like.

```
.text, #text, p{  
    color:rgb(47, 131, 119)  
}
```

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(47, 131, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 131, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.6184, 18.1688, 20.2946 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(47, 131, 119) }
```


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

```
.border{ border-color:rgb(47, 131, 119) }
```

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

Here you see how a box with a 4 pixel rgb(47, 131, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 131, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 131, 119);  
box-shadow:4px 4px 4px 4px rgb(47, 131,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6184, 18.1688, 20.2946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 131, 119) }
```

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

```
.background{ background-color: rgb(47, 131,  
119) }
```

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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