

Converting Colors

XYZ(24.6726, 34.2747, 20.9381)

Have a look what the booklet for
XYZ(24.6726, 34.2747, 20.9381)
contains.

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Color

**XYZ(24.6726, 34.2747,
20.9381)**

Conversions

Conversions Part 1

Format	Color
Hex	72AC71
RGB	114, 172, 113
RGB Percent	45%, 67%, 44%
CMY	0.5529, 0.3255, 0.5569
CMYK	0.34, 0.00, 0.34, 0.33
HSL	119°, 26%, 56%
HSV	119°, 34%, 67%
XYZ	24.6726, 34.2747, 20.9381
YIQ	147.9320, -15.6290, -30.6450

Conversions

Conversions Part 2

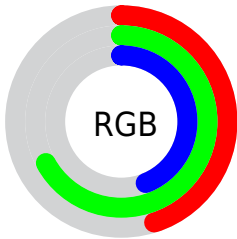
Format	Color
RYB	113, 172, 171
Decimal	7515249
CIELab	65.18, -30.96, 24.53
CIELCh	65, 39.497, 141.614
Yxy	34.2747, 0.3088, 0.4290
Android (android.graphics.Color)	4285705329 (0xFF72AC71)
YUV	147.9320, -17.2215, -29.7584
Hunter-Lab	58.5446, -27.2273, 19.7765

Details

The XYZ color **24.6726, 34.2747, 20.9381** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **30.1476, 23.4478, 41.9684**, and the grayscale version is **28.1949, 29.6632, 32.3032**.

A 20% lighter version of the original color is **50.6834, 66.5282, 45.7673**, and **9.5721, 14.6206, 7.1680** is the 20% darker color. If you saturate the color by 10%, you get **21.7949, 32.8937, 16.2189**, and if you desaturate by 10%, it is **28.1422, 35.9416, 26.6445**.

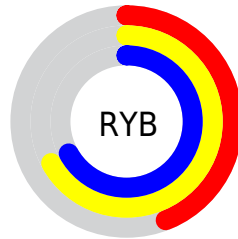
Distribution



Red (45%)

Green (67%)

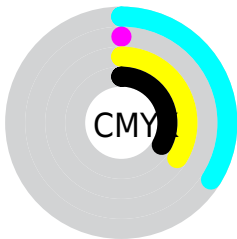
Blue (44%)



Red (44%)

Yellow (67%)

Blue (67%)

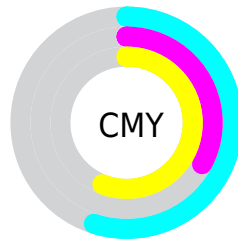


Cyan (34%)

Magenta (0%)

Yellow (34%)

Black (33%)



Cyan (55%)


Magenta (33%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6726, 34.2747, 20.9381 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 24.6726, 34.2747, 20.9381 by changing the saturation by 10% instead.


 24.6726, 34.2747,
20.9381


 24.6726, 34.2747,
20.9381


268.5813,
321.3552, 269.7196


 15.9607, 23.1047,
12.8880


 50.5723, 66.3606,
45.8639


 9.5870, 14.6708,
7.2216


 68.4909, 88.0453,
63.5767

 5.1862, 8.5887,
3.5205


 90.2090, 114.0038,
85.3475

 2.3928, 4.4739,
1.3662

 116.0921,
144.6203, 111.5947

 0.8415, 1.9420,
0.1151

146.5056,
180.2793, 142.7370

 0.0000, 0.5735,
0.0000

181.8147,

 0.0000, 0.0000,

221.3652, 179.1929

0.0000

222.3848,
268.2624, 221.3809

■ 24.6726, 34.2747,
20.9381

■ 24.6726, 34.2747,
20.9381

■ 21.7949, 32.8937,
16.2189

■ 28.1422, 35.9416,
26.6445

■ 19.4737, 31.7785,
12.4287

■ 32.2314, 37.9047,
33.3872

■ 17.6738, 30.9134,
9.5071


■ 36.9692, 40.1788,
41.2149


■ 16.3548, 30.2791,
7.3851


■ 42.3822, 42.7766,
50.1724


■ 15.4707, 29.8534,
5.9838


■ 48.4954, 45.7102,
60.3020


 14.9663, 29.6100,
5.2079

 55.3326, 48.9909,
71.6439

 14.7896, 29.5252,
4.9194

 62.9162, 52.6296,
84.2364

 71.2681, 56.6366,
98.1161

 74.0432, 57.9864,
101.8977

Harmonies

Analogous

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



28.6802, 34.2747, 14.9792



24.6726, 34.2747, 20.9381



22.8369, 34.2747, 32.8988

Triad

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



24.6726, 34.2747, 20.9381



30.9946, 34.2747, 78.1125



43.9468, 34.2747, 26.8496

Complementary

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



24.6726, 34.2747, 20.9381



30.1476, 23.4478, 41.9684

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.



44.7547, 34.2747, 42.1191



24.6726, 34.2747, 20.9381



36.8118, 34.2747, 75.0707

Square

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



24.6726, 34.2747, 20.9381



26.1959, 34.2747, 67.9651



42.0117, 34.2747, 60.5758



39.9185, 34.2747, 17.6288

Rectangle

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



24.6726, 34.2747, 20.9381



22.9222, 34.2747, 44.0478



42.0117, 34.2747, 60.5758



44.6214, 34.2747, 31.3135

Sweetspot

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



24.6735, 34.2761, 20.9389



61.8684, 70.3930, 66.1787



34.3764, 38.7266, 21.2865



13.1974, 15.1790, 13.9726



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.6735, 34.2761, 20.9389



40.7795, 60.2679, 31.4557



26.3367, 34.9265, 30.3721



7.9166, 8.9456, 8.5228



11.0102, 21.9730, 3.6609



0.3103, 0.6133, 0.1020

Inverse Universe

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



30.1476, 23.4478, 41.9684



52.1968, 37.6766, 75.3270



27.9894, 22.6097, 29.4630



8.3235, 8.1411, 10.0854



17.7365, 8.5033, 29.7510



0.4975, 0.2387, 0.8278

Previews

White Background



This preview shows how the XYZ color 24.6726, 34.2747, 20.9381 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.6726, 34.2747, 20.9381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

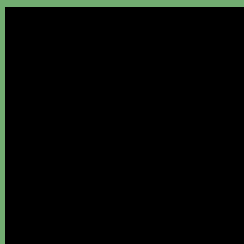
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.6726, 34.2747, 20.9381

Background



This preview shows how black text looks on a background with the XYZ color 24.6726, 34.2747, 20.9381.



This preview shows how white text looks on a background with the XYZ color 24.6726, 34.2747,

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

24.6726, 34.2747, 20.9381

Protanopia

31.5054, 33.8334, 18.7799

Deuteranopia

34.5863, 33.8803, 21.8562



Tritanopia

29.8155, 34.1609, 46.6172

Trichromacy



Original Color

24.6726, 34.2747, 20.9381

Protanomaly

28.2583, 33.4288, 19.4310

Deuteranomaly

30.0477, 33.5308, 21.4114

Tritanomaly

27.6775, 34.1081, 35.6966

Monochromacy



Original Color

24.6726, 34.2747, 20.9381

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.5835, 31.0975, 27.5230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6726, 34.2747, 20.9381 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(114, 172, 113)` looks like.

```
.text, #text, p{  
    color:rgb(114, 172, 113)  
}
```

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(114, 172, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 172, 113) }
```

Border

The CSS property to change the border of an element to XYZ 24.6726, 34.2747, 20.9381 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(114, 172, 113) }
```


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

```
.border{ border-color:rgb(114, 172, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 172, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 172, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 172, 113);  
box-shadow:4px 4px 4px 4px rgb(114, 172,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6726, 34.2747, 20.9381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 172, 113) }
```

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

```
.background{ background-color: rgb(114,  
172, 113) }
```

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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