

Converting Colors

XYZ(20.5322, 25.7512, 50.3427)

Have a look what the booklet for
XYZ(20.5322, 25.7512, 50.3427)
contains.

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Color

**XYZ(20.5322, 25.7512,
50.3427)**

Conversions

Conversions Part 1

Format	Color
Hex	2596BA
RGB	37, 150, 186
RGB Percent	15%, 59%, 73%
CMY	0.8549, 0.4118, 0.2706
CMYK	0.80, 0.19, 0.00, 0.27
HSL	194°, 67%, 44%
HSV	194°, 80%, 73%
XYZ	20.5322, 25.7512, 50.3427
YIQ	120.3170, -78.9040, -12.7600

Conversions

Conversions Part 2

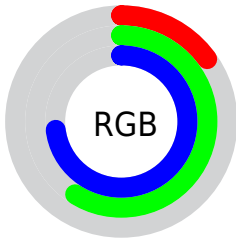
Format	Color
R_{YB}	37, 101, 186
Decimal	2463418
CIE _{Lab}	57.80, -18.09, -27.41
CIE _{LCh}	58, 32.844, 236.571
Yxy	25.7512, 0.2125, 0.2665
Android (android.graphics.Color)	4280653498 (0xFF2596BA)
YUV	120.3170, 32.3817, -73.0690
Hunter-Lab	50.7456, -16.5820, -23.2973

Details

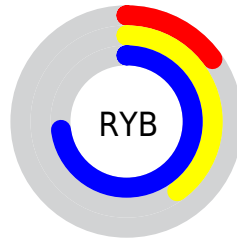
The XYZ color **20.5322, 25.7512, 50.3427** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **22.9673, 15.3393, 3.5015**, and the grayscale version is **17.8731, 18.8039, 20.4774**.

A 20% lighter version of the original color is **43.6833, 52.7223, 91.8785**, and **8.6955, 10.6171, 23.7813** is the 20% darker color. If you saturate the color by 10%, you get **19.3234, 24.0842, 50.0852**, and if you desaturate by 10%, it is **22.1100, 27.6502, 50.6266**.

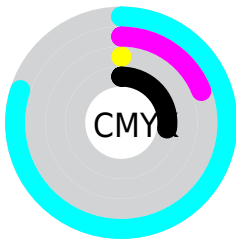
Distribution



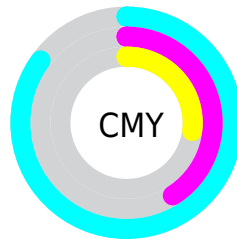
- Red (15%)
- Green (59%)
- Blue (73%)



- Red (15%)
- Yellow (40%)
- Blue (73%)



- Cyan (80%)
- Magenta (19%)
- Yellow (0%)
- Black (27%)



- Cyan (85%)
- Magenta (41%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5322, 25.7512, 50.3427 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 20.5322, 25.7512, 50.3427 by changing the saturation by 10% instead.

■ 20.5322, 25.7512,
50.3427

■ 20.5322, 25.7512,
50.3427

247.5609,
281.5586, 404.7780

■ 12.8930, 16.6376,
35.3127

■ 43.8048, 52.8733,
92.0840

■ 7.4314, 9.9765,
23.6184

■ 60.1690, 71.6506,
119.6323

■ 3.7820, 5.3833,
14.8412

■ 80.1722, 94.4179,
152.1905

■ 1.5796, 2.4739,
8.5626

■ 104.1797,
121.5596, 190.1770

■ 0.3790, 0.8635,
4.3641

■ 132.5570,
153.4602, 234.0105

■ 0.0000, 0.0000,
1.8271

165.6694,

■ 0.0000, 0.0000,

190.5039, 284.1095

0.4458

203.8822,
233.0753, 340.8925

■ 0.0000, 0.0000,
0.0000

■ 20.5322, 25.7512,
50.3427

■ 20.5322, 25.7512,
50.3427

■ 19.3234, 24.0842,
50.0852

■ 22.1100, 27.6502,
50.6266

■ 18.3967, 22.6125,
49.8499

■ 24.0999, 29.8025,
50.9371

■ 26.5416, 32.2294,
51.2769

■ 29.4692, 34.9489,
51.6475

■ 32.9135, 37.9774,
52.0505

■ 36.9024, 41.3296,
52.4873

■ 41.4621, 45.0195,
52.9592

■ 46.6167, 49.0598,
53.4674

■ 52.3890, 53.4629,
54.0131

Harmonies

Analogous

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



18.3020, 25.7512, 38.9150



20.5322, 25.7512, 50.3427



24.0250, 25.7512, 55.7760

Triad

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



20.5322, 25.7512, 50.3427



32.8502, 25.7512, 29.3577



21.2388, 25.7512, 12.7577

Complementary

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



20.5322, 25.7512, 50.3427



22.9673, 15.3393, 3.5015

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.



24.9321, 25.7512, 11.4701



20.5322, 25.7512, 50.3427



31.9017, 25.7512, 19.4050

Square

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



20.5322, 25.7512, 50.3427



31.3637, 25.7512, 41.7817



28.8944, 25.7512, 13.5416



18.6782, 25.7512, 17.6975

Rectangle

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



20.5322, 25.7512, 50.3427



26.7022, 25.7512, 54.4224



28.8944, 25.7512, 13.5416



22.3766, 25.7512, 11.9521

Sweetspot

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



20.5331, 25.7521, 50.3433



63.6572, 72.2279, 94.7877



19.4849, 35.9767, 12.0098



13.4566, 15.4315, 20.8119



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.5331, 25.7521, 50.3433



33.7572, 41.6310, 90.4578



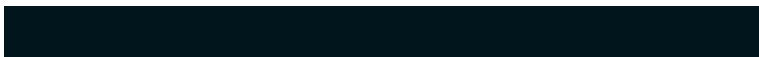
12.2623, 9.2105, 47.5864



9.0779, 9.8330, 11.4989



12.4371, 15.3339, 33.5573



0.4834, 0.6305, 1.1980

Inverse Universe

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



26.4170, 13.9652, 30.1583



45.6782, 22.6795, 48.4572



30.9047, 31.2141, 6.1473



9.2857, 9.1246, 10.8516



16.8914, 8.3303, 17.8466



0.6182, 0.3027, 0.7486

Previews

White Background



This preview shows how the XYZ color 20.5322, 25.7512, 50.3427 looks on a white 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

Black Background



This preview shows how the XYZ color 20.5322, 25.7512, 50.3427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

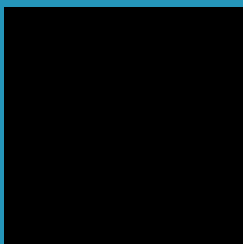
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

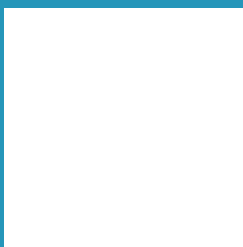
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5322, 25.7512, 50.3427

Background



This preview shows how black text looks on a background with the XYZ color 20.5322, 25.7512, 50.3427.

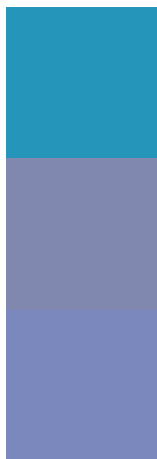


This preview shows how white text looks on a background with the XYZ color 20.5322, 25.7512,

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

20.5322, 25.7512, 50.3427

Protanopia

25.5427, 25.3321, 44.6176

Deuteranopia

26.0155, 25.4200, 51.6795



Tritanopia

18.2742, 25.5356, 40.0421

Trichromacy



Original Color

20.5322, 25.7512, 50.3427

Protanomaly

22.4824, 24.7779, 46.7777

Deuteranomaly

22.9164, 24.9047, 51.1762

Tritanomaly

18.9370, 25.5592, 43.4705

Monochromacy



Original Color

20.5322, 25.7512, 50.3427

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.3668, 20.4199, 29.4117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5322, 25.7512, 50.3427 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(37, 150, 186)` looks like.

```
.text, #text, p{  
    color:rgb(37, 150, 186)  
}
```

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(37, 150, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 150, 186) }
```

Border

The CSS property to change the border of an element to XYZ 20.5322, 25.7512, 50.3427 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(37, 150, 186) }
```


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

```
.border{ border-color:rgb(37, 150, 186) }
```

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

Here you see how a box with a 4 pixel rgb(37, 150, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 150, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 150, 186);  
box-shadow:4px 4px 4px 4px rgb(37, 150,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5322, 25.7512, 50.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 150, 186) }
```

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

```
.background{ background-color: rgb(37, 150,  
186) }
```

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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